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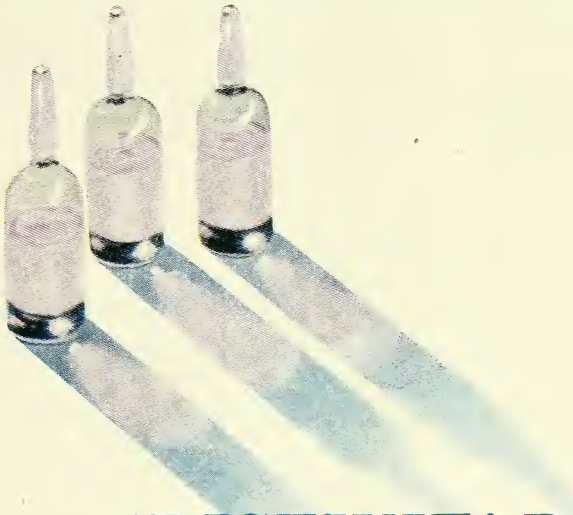
The CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

DECEMBER 22, 1951



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The

CHEMIST AND DRUGGIST

for RETAILER—WHOLESALER—MANUFACTURER

DECEMBER 22, 1951

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

le copies 1/- each. Annual Subscription, which includes The Chemist and Druggist Diary and Year Book, £2

The Editorial and Publishing staffs send their cordial greetings for Christmas and the New Year to every subscriber

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NEWS OF THE WEEK

Managers' Pay Increase.—The North- Co-operative Society, Ltd., 54 Loch eet, Aberdeen, have conceded an in- ase of £1 per week to their pharmacy nch managers, after negotiations with Union of Shop, Distributive and Allied rkers.

London Technical Courses.—Evening rses in microchemical analysis, patents industrial design protection, absorption ctroscopy, and distillation commence at Sir John Cass College, Jewry Street, lgate, London, E.C.3, in January 1952. ails may be had from the principal.

F.B.I. Dividend Policy Statement.— lowing talks between the Chancellor of Exchequer and the Federation of tish Industries, a letter on dividend policy has been sent to all member companies of the Federation advising "moderation and restraint." The psychological effect of increasing dividends would be to encourage applications for wage increases, which would intensify inflatory pressure, which it would be wrong to ignore.

Economy in Use of Bismuth.—The Ministry of Health has called attention to the "serious shortage" of bismuth metal and of all bismuth salts. Doctors are asked to reserve bismuth salts for the treatment of syphilis and tropical diseases. Aluminium hydroxide, chalk, kaolin or magnesium trisilicate should be used for gastro-intestinal disorders. Bismuth salicylate as an "intestinal antiseptic" could be re-

placed by activated charcoal, kaolin, succinylsulphathiazole, sulphadiazine, phthalylsulphathiazole, or sulphaguanidine.

Nitrogen Supplies Directorate Ends.—The Directorate of Nitrogen Supplies ends on December 31. Thereafter matters concerning the production and provision of ammonia to industry (including the fertiliser industry), will be the responsibility of the Ministry of Materials, Division 2, Branch 2A, Horse Guards Avenue, London, S.W.1. Matters relating to the production and distribution of fertilisers within the United Kingdom will be dealt with by the Directorate of Fertiliser Supplies, 56 Mount Ephraim, Tunbridge Wells, Kent.

Sweets for Children.—At a Christmas party given by Mr. F. J. Scholl to 140 children of employees at the Scholl foot comfort organisation, Clerkenwell, London, recently, each child was presented with a parcel bedecked with flags of the Commonwealth and other countries in which the company has branches. The parcels contained chocolate and sweets from Scholl workers in Australia, New Zealand, South Africa, the United States, France, Belgium, Switzerland and Sweden, supplemented by a parcel of toys and fruit from the headquarters in London.

Amendments to the Pharmacopœia.—The Pharmacopœial tablet disintegration test and the monograph on terpineol have been amended by the General Medical Council by notice given in the "London Gazette," December 7. The amendments are as follows:—*Page* 518 *last line:* Tabellæ. Disintegration Test. Delete the words "to disintegrate completely" and insert "to disintegrate or to soften throughout so that it disintegrates on a slight touch." *Page* 553, *lines* 16 *and* 17: Terpineol. Boiling-point. The statement is amended to:—"Not less than 96 per cent. v/v distils between 214° and 224°, page 710." Copies of a document containing the amendments may be obtained from the Council, 44 Hallam Street, London, W.1.

P.A.T.A. Council Election Result. — In the election for four seats on the retail section of the council of the Proprietary Articles Trade Association (see *C. & D.*, December 15, p. 769), the numbers of votes cast were as follows:—Mr. H. G. Moss, 1843; Mr. H. Holmes, 1707; Mr. J. F. Watts, 1755; Mr. S. W. Hague, 1678; and Mr. J. C. Bloomfield, 883. The first four named were declared elected. The following companies were returned unopposed to the wholesale section:—Ayrton, Saunders & Co., Ltd., Liverpool; Thomas McMullan & Co., Ltd., Belfast; Raimes, Clark & Co., Ltd., Edinburgh; and Sangers, Ltd., London. The following companies were returned unopposed to the manufacturers' section:—Thomas Christy & Co., Ltd., Aldershot; Horlicks, Ltd., Slough; Lincoln & Midland Counties Drug Co., Ltd., Lincoln; and Macleans, Ltd., Brentford.

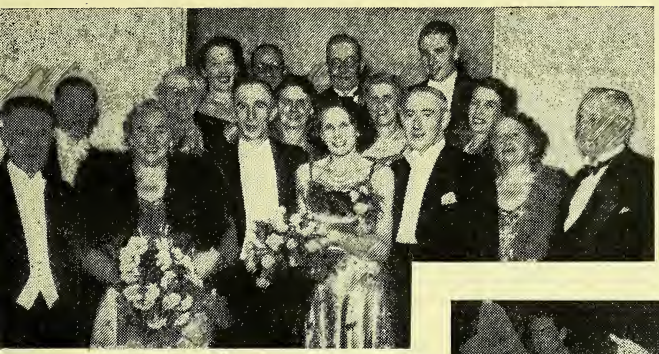
IRISH NEWS

Pharmacy Bill Passes Dail. — The Pharmacy Bill (see *C. & D.*, December 15, p. 781), passed through all stages in the Dail on December 12, without any amendments. The Bill now goes to the Senate for discussion there.

Christmas Trade.—Although most of the pharmacies in the Dublin area had ample stocks, and attractive window displays of Christmas gift lines, business was reported to be quiet for the first fortnight of December. The opening hours on December 22 and 24, in the Dublin area, will be from 9 a.m. to 8 p.m.

N.I. Hospitals Authority.—The Northern Ireland Hospitals Authority has fixed revised rates of pay for part-time pharmacists for Great Britain in accordance with the scales reported in the *C. & D.*, December 1, p. 708. The estimates of the Authority for 1952-53 for drugs, dressings, medical and surgical appliances and equipment amount to £558,931, an increase of £20,931.

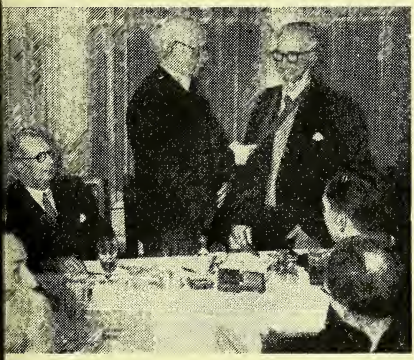
N.I. Examination Results.—The following satisfied the examiners in the winter examinations of the Pharmaceutical Society of Northern Ireland:—*Preliminary Scientific:* J. S. R. Armstrong, J. P. Burns, A. S. Carson, G. W. E. Dennison, F. A. Dunn, S. J. Gilmour, J. J. Hamill, A. Levey, A. D. McBride, B. McCann, Anna M. McCoubrey, N. McCullough, A. J. C. Richardson, I. Robinson, B. Silver, R. S. V. Stewart, J. H. White, D. J. T. Wilson, P. Wilson. *Final Qualifying:* B. Brannigan, R. N. M. Clarke, W. E. Cooper, Anna R. Corry, Mary W. Cunningham, W. E. Davison, J. Gould, T. Gracey, J. F. Grimshaw, G. F. Lee, W. C. Magee, P. D. Mallie, J. P. Mallon, J. J. Meegan, P. G. Moore, T. Murphy, B. McCann, F. McConnell, P. J. McMullan, T. G. Phillips, J. D. Pender, D. Shearan, W. H. Stewart, Rose G. Tierney, N. M. Wilson.



TORQUAY BRANCH DINNER.—Mrs. Jessop, Messrs. W. N. Boorne, S. W. Smith, J. C. Jessop and H. Holmes, Mesdames S. W. Smith, T. D. Evans, Holmes and Boorne, Mr. T. D. Evans (secretary), Mrs. Heseltine, Mr. J. R. Sharpe (chairman), Mrs. Sharpe, Mr. T. Heseltine, Mrs. Smith, Mr. J. C. Smith.

EWS IN ICTURES

Over four hundred staff and friends attended the annual dance at Willesden, London, recently of Anglo-American Sales Co., Ltd. (which includes Stablond Laboratories, Ltd.)



. T. O. Barlow invests Mr. F. H. Ruoff with w presidential badge at dinner of Portsmouth emists' Association (see p. 804).

In sterile cap and gown, the lord mayor of Liverpool inspected the sterile products unit at the Speke factory of Evans Medical Supplies, Ltd., recently.

mbers of Northampton Branch, Pharmaceutical Society at Greenford works of Glaxo Laboratories, Ltd.

BRANCH AND ASSOCIATION MEETINGS

When to Use Colour in Photography Discussed.—Over fifty members of the Dundee Branch of the Pharmaceutical Society heard Miss W. Fosh (Ilford, Ltd.) discuss black and white and colour photography at Dundee recently. Illustrating her lecture with about a hundred slides, Miss Fosh said that it was essential to decide whether a pleasing effect was required or an accurate rendering of the picture. Miss E. M. Jenkins (chairman of the Branch) presided.

Coventry Dinner and Dance.—At the annual dinner and dance of the Coventry and Warwickshire Branch of the Pharmaceutical Society recently, Mr. W. A. Bales (Branch chairman) said that the television set which the Branch had presented (see *C. & D.*, July 21, p. 67) to Birdsgrove House in July had been greatly welcomed by the residents. It had cost £170. Chief guest of the evening was Mr. G. H. Hughes (a member of the Society's Council) who replied to the toast of the Pharmaceutical Society, paying tribute to the Branch for its generosity to Birdsgrove House.

November Activities in Bristol.—Members of the Bristol Branch of the Pharmaceutical Society beat pharmacy students of Bristol college of technology by 43 points to 37½ in a quiz contest in Bristol recently. Mr. E. L. Hart was questionmaster. The teams were: *Branch:* Messrs. C. W. Sowby, D. G. Cooper, G. H. Darling, R. D. Askew, H. Long, F. E. R. Nichols, Miss A. Bell. *College:* Messrs. C. A. L. Rigges, J. F. Blair, D. R. Sanders, D. T. Trist, H. A. Holland, Misses M. Aspman and S. Jeffery. Members of the Branch visited the Bristol telephone exchange recently.

Edinburgh Branch.—At the opening meeting of the session of the Edinburgh and South-eastern Scottish Branch of the Pharmaceutical Society held in Edinburgh recently, Mr. Gordon Perrins, Ph.C. (chief pharmacist, Royal Infirmary of Edinburgh), gave an address on "New Types of Medication." He dealt with adrenaline and ephedrine creams, anticoagulants and antibiotics. The addition of 10 per cent. of chlorophyll to hydrous ointment for the treatment of bed sores provided, he said, a deodorising action. During a discussion he told Mr. J. L. Wilson that penicillin ointment base or soft paraffin had both given good results for use with chloramphenicol. Mr. J. E Grossett asked for guidance in the dilutio of ointments of undecylenic acid with glycerin jelly. Mr. Perrins said that suc dilution was unsatisfactory as most of th jelly remained on the surface. In reply t a question from Miss D. I. L. Locker, th lecturer said that an ointment base suit able for cortisone would be one similar t emulsifying ointment B.P. Miss Locke said that she had issued, in her hospital, sample of adrenaline cream and one o the base only. The containers wer labelled 1 and 2 respectively and she alon knew their composition. The physio therapist later told her that No. 1 wa irritating while No. 2 was satisfactory.

Portsmouth Chemists' Association.—The forty-first annual meeting of th Portsmouth Chemists' Association was hel in Portsmouth recently preceded b an informal dinner. Two honorary lif members and past-presidents of the Asso ciation (Messrs. T. O. Barlow (1915) an H. A. Mecoy (1937)) and Mr. A. R. God dard (clerk of the Portsmouth Executiv Council) were guests. Mr. Barlow investe Mr. F. H. Ruoff (president) with a badg of office (picture, p. 803), presented b Mrs. Davies-Lewis in memory of her lat husband, who was for many years a keer member of the Association. Mr. J. C Bloomfield (secretary) read a letter fro her formally donating the badge and wish ing the association every success. Mr. Bar low said that no one was more worthy t be the first recipient of the badge tha Mr. Ruoff. He asked that a letter o thanks should be sent to Mrs. Davies Lewis. Mr. Ruoff, in reply, said he fel honoured that he should be the first presi dent invested with the badge. After the treasurer's report, the president's address—which gave a summary of activities during the year—and expressions o thanks to retiring officers and committee the following officers were elected: *President,* Mr. M. L. Gregory; *Vice-president,* Mr. N. L. Banks; *Secretary,* Mr. J. C. Bloomfield; *Treasurer,* Mr. M. A. Guernier; and *Auditors,* Messrs. T. A. Johnson and J. Elder. The president asked members to support Mr. Bloomfield as a candidate at the election for the retail section of the Proprietary Articles Trade Association council, Mr. Bloomfield was unanimously adopted as the Association candidate.

TOPICAL REFLECTIONS

News and Views

Your issue of December 15 can be called a type specimen of the variety of contents that each reader can appreciate in his own way. The news is balanced by articles embodying editorial opinion, current science, industrial development and pharmaceutical problems. The retirement of Mr. John R. Goldthorpe will no doubt be the occasion of many good wishes for his happiness; his successor as publisher, Mr. Allan Shepherd, is well known and will uphold *C. & D.* standards of publication. Turning from news to other contents, your first editorial article on p. 785, based on a contribution by Mr. Hubert Blore, calls attention to "the little more" that chemists in retail business can do to reduce the chances of poisoning in the homes of their customers. There is no need to lapse into a morbid state of apprehensiveness about such chances. Members of the public with no precise knowledge of toxic or deleterious substances have long depended on their chemists for adequate information about the medicines they purchase. A crucial moment occurs when a boy or girl reaches home with a verbal message of caution from a pharmacy. Will the message be passed on to a parent or guardian? Dispensers can hardly be expected to foresee every possible contingency that may arise in the handling of medicines after they are dispatched. Nevertheless, the hints in Mr. Blore's article are worth considering. The policy to follow is, I believe, to ask oneself if there is anything unusual in the prescription then in hand, and if so, to act with the requisite prudence. After that the supplier's conscience is clear, and responsibility lies elsewhere.

Northumbrian Opinions

By far the largest centre of population on the London-Edinburgh route of the Flying Scotsman is Newcastle-on-Tyne, and the opinions noted there by a member of our staff (pp. 793-95) cover an extensive variety of topics. As might be expected, some divergencies appear. The local experience that the most popular types of association and branch meetings are "post-graduate or revision lectures, practical demonstrations, films, or discussions on quasi-medical subjects" may be useful to secretaries elswhere: it finds confirmation on p. 722. National Health Service prescribing received some forthright comment. Many products, one speaker remarked, go "dead" after a short currency and become virtual losses. Whether doctors could be educated up to the use of a separate form for preparations not likely to be kept in stock locally I do not know: the chairman of the Newcastle Pharmaceutical Committee seemed to expect that they could. In any case the British Medical Association would have to take a hand in the process. The suggestion that apprenticeship after a college course is advantageous to the chemist but disadvantageous to the student seems to be new, though it is clear that in a post-graduate apprentice an employer is getting "virtually a qualified man." Finally—for my space is running out—the complaint that manufacturers' "literature" is often "too big and verbose" is worth investigating.

Varied Experience

An unusual though not unknown type of experience had been described by Mr. C. L. Robertshaw in an address to the Durham County Branch of the Pharmaceutical Society (p. 772). Two factors were mentioned as deciding the speaker to leave pharmacy. The first was deficient leisure; the second the time consumed in "selling cosmetics, etc." Service in the Forces, it appears, gave these factors emphasis. Training and occupation as a teacher followed war service, but "certain disadvantages associated with teaching" brought about a return to pharmacy. Mr. Robertshaw is not the first, and will probably not be the last, M.P.S. to seek more congenial work in other vocations: the remark with which your report concludes is that the experience has broadened his outlook, increased his knowledge of human nature, and made him, he hopes, a better pharmacist. It is not surprising that present conditions in the scholastic world fail to retain, though they may attract, the adherence of people not born, so to speak, in a school or college. Crowded classrooms, restless children, staff conferences and the marking of exercise books fill long and tedious days. Yet the speaker named "did not regret his trial of teaching"; nor need he. A change of occupation, provided that it is made early enough in life and that a decision to stay in or to leave the new work is made soon enough, may be a means of obtaining a steady balance of interest in current events.

Xrayser

LEGAL REPORTS

Pharmacy Act Fine.—Pleading guilty at the Henley magistrates' court recently to three summonses under the Pharmacy and Poisons Act, 1933, Hortex Products, Ltd., Westbourne Street, High Wycombe, Bucks, were fined £5 on each summons. The summonses against them were for failing to label a preparation known as De-fur-O, containing hydrochloric acid, with the word "poison," failing to state the proportion of poison contained in the preparation, and failing to label the preparation with the name of the poison.

Pharmacy Act Fine.—At Nottingham, recently, Nottingham Co-operative Chemists, Ltd., were summoned for selling a preparation containing morphine, the sale not being supervised by a registered pharmacist. It was stated that an inspector made a test purchase of a bottle of the medicine at the company's premises in Alfreton Road, Nottingham, and was supplied by an assistant. The chief chemist of the company stated that the company was one chemist short for its fourteen branches. A £5 fine was imposed.

Settlement Without Admission of Liability.—Before Mr. Justice Shannon in the High Court, Dublin, on December 13, a settlement was announced in an action brought by Michael Pettit, Ph.C., Clara, Offaly, against Dermot and Brendan Dolan and Alice Regan, trading as Dominick Dolan & Co., wholesale chemists, 38 Bolton Street, Dublin, claiming damages for negligence and breach of contract. For Mr. Pettit it was stated that he had ordered a quantity of liquid extract of cascara from Messrs. Dolan. The cascara was delivered, and Mr. Pettit distributed it in doses to various customers. The cascara was subsequently found to contain strychnine. The incident figured at a later stage in a murder trial. Four customers started proceedings against Mr. Pettit, and he was compelled to settle them for a total sum of £1,742, including costs. It had now been agreed, said Mr. Fitzgerald, that the defendant company should pay Mr. Pettit that £1,742, and that in addition they should pay him a further £200 for incidental expenses which he had incurred, as well as a sum to cover his costs of defending the four actions when that figure had been ascertained, and his costs of bringing the present High Court action as between party and party. Payments were to be made without admission to liability.

NEW COMPANIES

Vulcan Fumigator Co., Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in insecticides, vermin destroyers and fumigating preparations, etc. S .L. Samson and W. Lipschutz, subscribers. R.O.: 151 Strand, London, W.C.2.

Ledbetter (Pig & Poultry) Foods, Ltd. (P.C.).—Capital £2,000. To carry on the business of manufacturing chemists, grain and flour merchants, etc. Sydney B. Ledbetter (permanent), Reginald S. Hall, M.P.S., and John Vanek, directors. R.O.: 40 Hillersdon Avenue, Barnes, London, S.W.13.

Company News

Johnson & Johnson (Gt. Britain), Ltd.—Dr. G. E. Turfitt, who recently joined the company as research director, has been appointed to the board.

BUSINESS CHANGES

Mr. Kevin Banks, M.P.S.I., has opened a pharmacy at Fairview, Dublin.

Allen & Co. (William Homer), are removing to 8 Curzon Road, Bournemouth, on January 1, 1952.

The address of the Odedent Co. is 49A High Street, Walton-on-Thames, Surrey. [Corrected note.]

Mr. C. F. Batstone has been appointed assistant sales manager (wrought products), of the British Aluminium Co., Ltd., Salisbury House, London, E.C.2.

Mr. S. H. Beckett, M.P.S., is opening a new pharmacy at 172 Sutcliffe Avenue, Nunsthorpe, Grimsby, on or about January 1, 1952.

The telegraphic address of Evans Medical Supplies, Ltd., Speke, Liverpool, 19, is being changed to Evansmed Liverpool on January 1, 1952.

The British Market Research Bureau, Ltd., has removed to 47 Upper Grosvenor Street, London, W.1 (telephone: Regent 8121).

The Silf Co., Ltd., and the London & Colonial Export Co., Ltd., have removed to Charter House, 52 Gloucester Place, London, W.1.

Rourafric & Far Eastern, Ltd., have removed to Plantation House, Fenchurch Street, London, E.C.3. Telephone number: Mansion House 1214 (unchanged).

DEATHS

BRAMMALL. — At Ryde Vale, Ashtead, Surrey, suddenly, on December 13, Mr. Robert Thomas Brammall (formerly a representative of Stafford Allen & Sons, Ltd.), aged eighty-two. Mr. Brammall joined the company in September 1912, and was the company's first representative. He travelled extensively through England for Messrs. Stafford Allen, retiring on December 31, 1940.

BROADHEAD. — On December 7, Mr. Joseph Broadhead, M.P.S., 68 Lower Clapton Road, London, E.5, aged sixty-two.

CAMERON.—Recently, Mr. John Mackintosh Cameron, M.P.S., Central Pharmacy, Great Square, Braintree, Essex, aged eighty-two.

ILLINGWORTH.—In Devon, recently, Mr. T. B. Illingworth, North End, Grassington Road, Skipton, aged seventy-four. Mr. Illingworth qualified as a chemist and druggist in 1900. Prior to his retirement in 1946, Mr. Illingworth was for many years in business as a chemist in Sheep Street, Skipton. He had formerly travelled widely in the Yorkshire Dales by horse and trap, and later became one of the first motorists in the district.

NORRIE.—On November 26, Mr. James Shepherd Norrie, M.P.S., 9 Grand Parade, St. Leonards-on-Sea, Sussex. Mr. Norrie qualified in 1916. He had been engaged in business in the town for twenty-five years. He was a founder member of the Southborough and High Brooms Trade and Improvement Association, and founder of the annual old folk's dinner given by local traders before the 1939-45 war. He was an active Rotarian and Freemason.

OWEN.—On December 7, Mr. William Owen, M.P.S., 69 Newstead Road, Southbourne, Bournemouth, aged sixty-four.

ROBINSON. — On December 15, Mr. Thomas Bartram Robinson, M.P.S., 278 Church Lane, Kingsbury, London, N.W.9, aged sixty-three. A native of Macduff, Mr. Robinson qualified in 1911. He established himself in business at Kingsbury since 1930, and from that time was active in the local (Wembley) Branch of the Pharmaceutical Society, of which he was a past-secretary and past-president. For many years he was a member of the Middlesex Pharmaceutical Committee, and in 1950 was elected its chairman, though he fell ill before he could take office. Mr. Robinson was an active Rotarian. *Mr. Evan C. Meredith* (social secretary, Wembley Chemists' Association) writes: "In Wembley we have lost a good man and a good pharmacist, who was always ready to defend that which he considered right."

SUGDEN.—On November 6, Mr. Willie Sugden, M.P.S., 25 Kimberley Avenue, St. Annes Road, Blackpool, aged sixty-three.

WILLS

MR. D. H. JENKINS, M.P.S., 173 Bute Street, Treherbert, Glam, left £5,862 (£4,693 net).

MR. A. A. MURRAY, M.P.S., 46 Roderick Avenue, Peacehaven, Sussex, left £10,737 (£9,172 net).

MR. J. G. WILKINSON, M.P.S., 37 Sutton Road, Walsall, Staffs, left £1,108 (£1,058 net).

MR. F. L. SPENCER, M.P.S., 165 White Lane, Gleadless, Sheffield, left £1,178 (£805 net).

MR. H. H. WATTS, M.P.S., 46 Goodrest Croft, Yardley Wood, Birmingham, 14, left £1,443 (£1,417 net).

MR. F. A. NEWEY, M.P.S., 13 Queen Annes Road, York, left £2,338 (£1,913 net).

MR. P. LAVERICK, M.P.S., 18 Hempland Drive, York, left £1,859 (£1,753 net).

MR. G. H. HANNAM, M.P.S., Tansor Court, Tansor, Peterborough, Northants, left £86,440 (£56,930 net).

PERSONALITIES

MR. H. R. METCALF, Ph.C., 21 Market Place, Newbury, has retired from the chairmanship of the Newbury, Berks, borough magistrates.

MR. W. H. PLATT (assistant sales manager (wrought products), the British Aluminium Co., Ltd.) is retiring on December 31 after forty-one years' service in the sales division of the company.

MISS MADGE K. CANDELENT (export manager Tokalon, Ltd.), is leaving Britain on January 2, 1952, on a tour of the Far East. She will visit Bombay, Karachi, Calcutta, Colombo, Singapore, Hong Kong, Sydney, Melbourne, Auckland and Wellington.

TRADE NOTES

No Change in Price.—O. Scruton & Co., Ltd., proprietors of Nurse Harvey's mixture, state that some chemists are selling Nurse Harvey's mixture above the advertised price. Price, quality and content of the product are unchanged.

Bonus Offer Extended.—Clinical Products, Ltd., 2 The Green, Richmond, Surrey, state that their special bonus offer for Persomnia, announced in a full page advertisement in THE CHEMIST AND DRUGGIST on November 17, is extended until January 31, 1952.

Tinted Hand Lotion.—A new hand lotion, marketed by Innoxa (England), Ltd., 1 Eden Street, London, N.W.1, is tinted a delicate pink, and presented in an easy-to-hold, "permanently pleated" bottle. The perfume "blends well with whatever scent the wearer may be using."

Photography at Schoolboys' Exhibition.—A photographic stand organised jointly by Kodak, Ltd., Wealdstone, and Johnsons of Hendon, Ltd., London, will be a feature of the Schoolboys' Own exhibition to be held in London, December 31, 1951, to January 12, 1952. The Kodak half of the stand will deal with the taking of photographs and the Johnsons of Hendon half with developing, printing and enlarging.

Holidays and Stocktaking. — JOHN BELL, HILLS & LUCAS, LTD., Oxford Works, Worsley Bridge Road, London, S.E.26, will be stocktaking on January 1, 1952. Normal deliveries will be maintained so far as possible, but there will be some restrictions on local deliveries on January 2 and 3.—The wholesale and export departments of T. & H. SMITH, LTD., Edinburgh and London, will, in addition to the Christmas closing from December 22-27, be closed on January 1 and 2, 1952.

Price Lists.—A combined price list and order form just issued by ASHE LABORATORIES, LTD., Ashtree Works, Kingston Road, Leatherhead, Surrey, gives details of the company's specialities and discounts. —The 1952 price list of medical products of MAY & BAKER, LTD., Dagenham, is a ring-bound booklet (to open flat) of 73 pp., supplemented by a 16-p. therapeutic index, alphabetical general index, and blank pages for notes. A folder inserted in the list gives amendments since the list proper went to press.

No Rise in Price.—The Metal Box Co., Ltd., The Langham, Portland Place, London, W.1, are notifying their customers that they do not propose to raise their prices to meet an increase in cost caused by an award by the Tin Box Wages Council of an extra 3d. an hour to workers in the tin-box industry. The company point out that, whilst metal container costs have risen in recent years the cost of containers represents today a smaller proportion of the retail selling price of many types of goods than it did before the war.

PRICE CHANGES

(I.R.P.=Inclusive retail price)

		Doz. s.	Doz. d.	Tax %	I.R.P. s.	I.R.P. d.
Scott & Bowne, Ltd. (from January 1, 1952)						
Kemdex denture cleanser		10	3	33⅓	1	5
		18	0	33⅓	2	6
J. B. Williams shaving preparations—						
Reloads		10	10	33⅓	1	6
Esquire		16	3	33⅓	2	3
Luxury shaving cream...		16	3	33⅓	2	3
Mum cream		13	0	33⅓	2	0
The Anglo-French Drug Co., Ltd.						
Anaquintine nasal drops, 22-c.c.		60	0	33⅓	8	4
Anti-Asthmatique (Heckel) 5-c.c. ampoules	12	90	0	Nil	10	0
Calcium Corbiere (calcium gluconate 10 per cent.)						
5-c.c. ampoules	12	96	0	Nil	10	8
10-c.c. ampoules	12	132	0	Nil	14	8
Cryogenine (Lumière) powder, 25 gm. ...		72	0	33⅓	10	0
Emge (Lumière) tablets	40	54	0	33⅓	7	6
Enterospasmyl (Logeais) mucilaginous, 100 gm. ..		99	0	33⅓	13	9
Saliode (Gabail) 5-c.c. ampoules	5	72	0	33⅓	10	0
Thionaiodine (Logeais) tablets	40	57	0	33⅓	7	11

PROPRIETARY ARTICLES TRADE ASSOCIATION

Alterations to the Protected List (Part 2)

Macleans, Ltd. (from December 17)						
Macleans peroxide tooth-paste:—						
Extra large size ...		18	0	33⅓	2	6
Standard size		12	0	33⅓	1	8
Henry C. Miner, Ltd. (correction to P.A.T.A. year-book, 1951-2)						
P. 164: Nail lacquer preparations should read:						
Nail lacquer		10	10	100	2	3
Lacquer remover ...		6	2	100	1	3
		10	10	100	2	3
Pearl nail lacquer ...		18	0	100	3	9
Sister Laura's Infant and Invalid Food Co., Ltd. (new size from January 1, 1952).						
Sister's Laura's food, ½-lb. packet		13	9	Nil	1	6
Stablond Laboratories, Ltd. (distributors, *Roberts Anglo-American Sales Co., Ltd.*) Addition						
Sta-set liquid Magicurl ...		9	7	100	2	0

GELATIN LABORATORIES OFFICIALLY OPENED

THE laboratories of the British Gelatine & Glue Research Association, 2A Dalmeny Avenue, Holloway, London, N.7, were officially opened by Sir Roger Duncalfe (chairman, British Glues & Chemicals, Ltd.) on November 29, Sir Ben Lockspeiser, F.R.S. (secretary of the Department of Scientific and Industrial Research) being among those present.

Professor F. J. W. Roughton, F.R.S. (professor of colloid science, University of Cambridge) emphasised the hope that the research programme on the fundamental properties of gelatin might throw new light on structural proteins, and on their relations with the globular proteins and therefore on the entire field of protein chemistry and physiology.

November 30 was an open-day at the Laboratories, a description of which appeared in the *C. & D.*, January 20, p. 88. Charts were shown illustrating the normal processes in the manufacture of gelatin and glue, and examples of raw materials and by-products were on view. When equipment becomes available it is intended to provide a laboratory-scale factory for the production of gelatin and glue, so that the various processes can be thoroughly investigated. Apparatus in use in one of the laboratories included a freeze-drier for the experimental preparation of pure gelatin not degraded by the normal drying procedures and a laboratory-scale drier comprising a rectangular case containing wire trays, with heating element in place at one end and a suction fan at the other. Warm air is drawn over the material spread out on the trays. Another exhibit showed the use of columns of mixed cation and anion exchange resins, through which gelatin solution is passed, reducing the ash content of gelatin to 0.005 per cent. The gelatin that emerges from the columns is at its iso-electric point, and it has been found that bacteria are removed, though spores, the viability of which is not affected, remain.

"ANY QUESTIONS?" AT TUNBRIDGE WELLS

MR. W. K. Warren (chairman of the Tunbridge Wells Branch of the Pharmaceutical Society) was question master at an "Any Questions?" meeting of the Branch in Tunbridge Wells recently. The team comprised Miss M. A. Burr (member of the Society's Council), Dr. H. Davis (chief pharmacist, Ministry of Health), Mr. Norman Dewey (home sales manager, Allen & Hanburys, Ltd.), and Mr. H. Noble (secretary, National Pharmaceutical Union). The following are some of the questions, with answers summarised in italics:

Nationalisation?

Would it be a disadvantage for the pharmaceutical industry to become nationalised?—*Yes.* Is the increased prescribing of medical products instead of the traditional bottle of medicine detrimental to the interests of pharmacy?—*No.*

Is the use of trade names by manufacturers to be deplored?—*The use of more than one trade name for a Pharmacopœial substance is inclined to be confusing. However, the company whose research evolved the product should have the right to use a trade name in order to identify the product with the company.*

Is a pharmaceutical qualification considered wasted if it is not used in retail (as opposed to one of the other branches of) pharmacy?—*No.* Are travellers calling on chemists or doctors necessary?—*Yes.* Has the Pharmaceutical Society or any other body statistics to show where the newly qualified are going—retail, wholesale or hospital?—*Not so far as the team is aware.*

Have the deliberations of the Whitley Council any bearing on N.H.S. dispensing fees?—*Yes.* Have the National Pharmaceutical Union considered any scheme for averaging out unpriced prescriptions for the past twelve months.—*Yes, many.*

Can the Team justify the education policy of the Pharmaceutical Society? *Yes* (Miss Burr). *No* (Dr. Davis). Should the National Formulary be published more often to include equivalents of the frequently prescribed "ethicals"?—*Impracticable.*

Does the Team favour territorial or sectional representation on the Society's Council?—*Miss Burr spoke in favour of territorial and Dr. Davis in favour of sectional representation.*

Testing Scheme Necessary

Is the National Health Service testing scheme really necessary?—*Yes.*

Would it be advantageous to N.H.S.

for the retail pharmacist to have authority to "vet" prescriptions?—*We want more freedom from restrictions rather than additional burdens.*

Unanswered

A question whether pharmacist Members of Parliament had assured the Council of their support in opposing any measure to do away with retail price maintenance was not considered a suitable question to be answered at the meeting. No comment was offered on questions about a cure for the common cold; how bulk prescriptions are priced; the possibility of speeding up the pricing of N.H.S. prescriptions; the value of the Branch Representatives' meeting held at the same time as the British Pharmaceutical Conference; the place of the pharmacist in Civil Defence; restriction or the limiting of the number of retail premises.

24th EDITION OF THE U.S. DISPENSATORY

THE changes made in the 24th edition of the dispensatory of the United States of America, recently published (10½ x 7 in. Pp. 2057. Weight 7½ lb.) reflect recent trends in pharmacy and medicine. For example about thirty-two pages are devoted to antibiotics, against twenty-two lines in the previous edition, published in 1943. A new section on veterinary products (part 4, 59 pp.) is included. The length of time taken to complete so massive a book is indicated in the inclusion, within the single cover, of two volumes —the second (sections 6 and 7) devoted to drugs that have been discovered, and that have gained prominence, since the completion of the first. Both volumes have been compiled by the same team under Professor Arthur Osol (Philadelphia College of Pharmacy and Science) as editor-in-chief with the help of Professor George Farar (Temple, University) who are both members of the U.S.P. Revision Committee, and five specialists. Sections 1, 2, 3 and 5 in Vol. 1 are devoted to drugs recognised by the Pharmacopœias of the United States and Great Britain and the United States National Formulary; drugs not so recognised; tests, processes, reagents and solutions, and tables giving atomic and molecular weights, weight equivalents, thermometric data, etc., given in the U.S.P. and U.S.N.F. Volume 1 contains ninety-five additional articles admitted to the U.S.P. XIII, 184 additions to the (U.S.) N.F. VIII, and sixty-two additions to the B.P., 1932 (contained in the Seventh Addendum). Other drugs described include those given in "New and Non-Official Remedies," 1947. Certain antihistaminics, antimalarial, antithyroid, analgesic, and other drugs considered "promising" are also included. The insecticides DDT and Gammexane, and the rat poison (described as a "raticide") ANTU are also mentioned.

Greater emphasis has been placed on the uses of drugs, and the names of manufacturers (chiefly of American proprietaries) are included. In accordance with the style of the United States Pharmacopœia, the English name of a drug is given first and the Latin second throughout. In addition, names of the drugs in French, Spanish, Italian or German Pharmacopœias are given, though the standards of the preparations in those pharmacopœias are not necessarily the same as those described in the Dispensatory. Against drugs used in veterinary medicine is put a letter V in black square. To aid reference, details of drugs are given in uniform sequence (source or manufacturing process and historical data; official description and solubilities; summary of official standards and tests; summary of methods of assay; chemical constituents; adulterants; incompatibilities; therapeutic uses; toxicology; dosage; storage and labelling directions; list of official preparations). Throughout the text appear articles on groups of related principles and preparations and on topics of interest to the health professions, including *p*H, indicators (two pages) and volumetric solutions (nine pages). Of use primarily to doctors is a 20-pp. section on clinical laboratory reagents summarised from the U.S.P. and U.S.N.F.

260 Additional Drugs

Vol. 2, which has its own index, deals with 172 of the new titles in the U.S.P. XIV and the U.S.N.F. IX and the British Pharmacopœia, 1948, together with eighty-eight non-official drugs chosen on a similar basis to those in Volume 1. Part 7 covers eighteen new antihistaminic drugs, cortisone, ATCH, methonium compounds, folic acid antagonists, etc.

The book is published by J. B. Lippincott Co., Aldine House, Bedford Street, London, W.C.2, price £10.

IRISH PHARMACEUTICAL STUDENTS

THE annual meeting of the Irish Pharmaceutical Students' Association was held in Dublin recently. MR. M. J. COSTELLO (vice-president, Pharmaceutical Society of Ireland) moved the adoption of the president's report and described the Society's new educational scheme (see *C. & D.*, August 4, p. 159). The existing method under which most of the students had to do their lectures at night, after a heavy day's work in a pharmacy, placed too great a burden on the student. Mr. Costello congratulated the Association on the capable president they had during the year and said that the Council of the Society was always ready to give a hearing to any suggestions or proposals put forward by the students' body.

Students Addressed in Irish

MR. P. O'BRIAIN, Cork (president of the Association), addressing the meeting (he gave the first part of his address in Irish) expressed the sympathy of the students on the death of the late Mr. P. C. Cahill, whom he described as "a great friend and guide of the Students' Association," He conveyed the students' good wishes to the new president and vice-president of the Society and thanked the outgoing president (Mr. T. C. Scott) for his interest in student affairs. During the year ten meetings of the students' council and a number of subcommittee meetings were held. Lectures were given by Irish and foreign speakers. There were also film shows and one open forum. The "Pharmacy Student" appeared at Christmas, but despite the work that went into its preparation it met with a poor reception, and there was a loss of over £8 on the issue, due mainly to the number of unsold copies. An invitation had been received to attend the Conference of the British Pharmaceutical Students' Association, but the Association were unable to send a delegate as they had received only four days' notice. Referring to a visit of an Irish delegation to the camp and conference held by the International Pharmaceutical Students' Federation in 1950, MR. O'BRIAIN said the highlight was the educational symposium. In most countries, it was shown, the tendency was to reduce the period of apprenticeship and increase the time devoted to professional training, a course which, he thought, Ireland could profitably follow. He thanked the members of the Council for their co-operation during the year. MR. T. C. SCOTT, seconding the adoption of Mr. O'Briain's report, said that the apprentice of today was "spoonfed" by comparison with the apprentice of his own day.

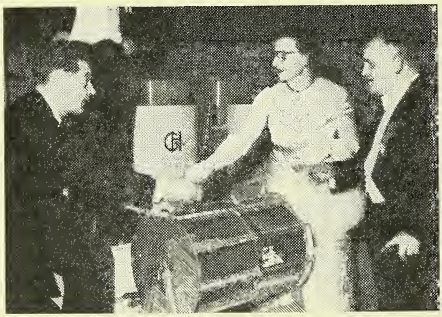
Treasurer's Report

MR. J. GLEESON, moving the adoption of the treasurer's report, presented by MISS R. MURPHY, said he regretted to hear that there was a falling-off in membership. The Pharmaceutical Society's Council had a similar problem, since there were still many chemists who did not support their own Society by becoming members. In his experience the student who supported the Association later became a loyal supporter of the Society when he qualified. MR. G. C. O'NEILL seconding, said it was a great pleasure to hear the president of the Pharmaceutical Students' Association address them in Irish.

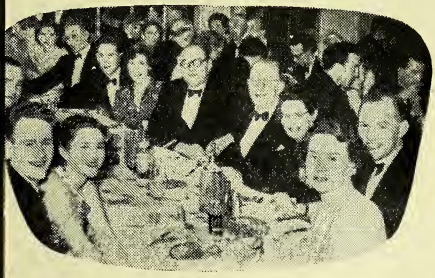
MR. J. G. COLEMAN (registrar of the Society) assured the students of his co-operation and mentioned that future students at Shrewsbury Road would be examined in the laboratories in which they had carried out their studies. That, he thought, would be a great help. The following were elected to the students' council for 1952: Messrs. P. S. O'Briain, Cork; M. J. Cahill, Monaghan; L. Quinn, Mayo; M. Shannon, Roscommon; J. Carroll, Cork; J. O'Byrne, Waterford; Miss R. Murphy, Midleton; Miss E. Healy and Miss D. O'Grady, Leitrim. At the first meeting of the students' council held after the annual meeting the following officers were elected:—*President,* Mr. M. J. Cahill; *Secretary,* Miss R. Murphy; *Assistant Secretary,* Miss E. Healy; and *Treasurer* and *Liaison Officer to the International Pharmaceutical Students' Federation,* Mr. P. O'Briain.

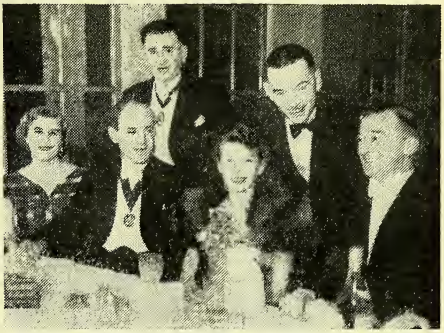
Health but a Cigar-end?—"I am going to be blunt," said Dr. J. L. Burn, medical officer of health for Salford [at a conference held by the Royal College of Nursing]. "We have heard nothing," he said, "in the way of criticism against the new Government in appointing a Minister of Health who is unable to give his whole time to his duties, but is sharing it as Leader of the House of Commons. . . . We deplore that the Ministers of Health and Education are the fag-end—or should I say the cigar-end—of the appointments."

IRISH BENEVOLENT FUND DANCE

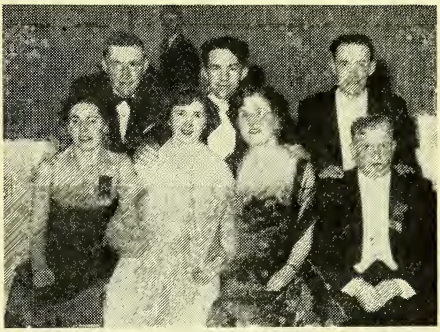


The annual dance in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland, held in Dublin early in December, was, as usual, the biggest social function of the year in Irish pharmacy. The attendance was a record, numbering over 600. Some of the patrons travelled from Northern Ireland, and others from far away Kerry. The large party at the table of the president (Mr. John P. Kissane, Tipperary) and Mrs. Kissane, included the president of the Pharmaceutical Society of Northern Ireland (Mr. Herbert W. Gamble) and Mrs. Gamble, Mr. and Mrs. H. H. Cowzer, Mr. and Mrs. N. Patterson, all of whom travelled from Belfast; Mr. Owen H. Waller (Editor of the *C. & D.*) and Mrs. Waller, who came by air from London, and Mr. and Mrs. J. R. Shanahan, Castleisland, co. Kerry. During the dance many spot prizes were awarded, and after the supper interval a raffle was held for a Christmas hamper, Mrs. Kissane officiating at the drum to draw the winning tickets. Mr. David Murphy, the chairman of the committee responsible for organising the function, was supported by Mr. Kevin Banks (secretary), Misses C. Gaffney and E. Smyth (treasurers), and the Misses R. Nolan, E. Flynn, G. McMahon, R. Hughes, Mrs. J. Gleeson, and Messrs. J. P. Kissane, M. J. Costello, H. P. Corrigan, P. G. Redmond, P. Leahy, S. Digan, J. Costello, A. Allshire and J.

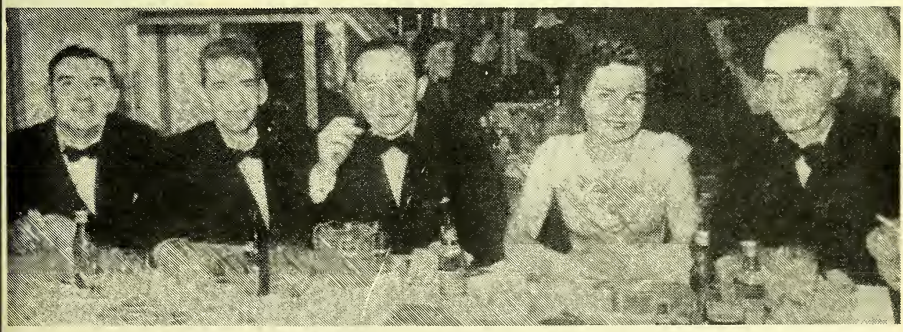




Roche (committee members). The large attendance included Mr. David Woulfe (president, Irish Drug Association, and party), Mr. James G. Coleman, B.L. (registrar of the Pharmaceutical Society) and Mrs. Coleman, Mr. Fred J. Robinson and party, Mr. S. J. Savage, Mr. J. Draffin (captain, Irish Chemists' Golfing Society), Mr. and Mrs. P. McAuliffe, Mr. and Mrs. Con Collis, Mr. Sylvester O'Farrell and party, Mr. and Mrs. H. P. Corrigan, Mr. and Mrs. M. J. Costello, Mr. G. C. O'Neill, Mr. and Mrs. T. B. O'Sullivan, Mr. and Mrs. J. Gleeson, Mr. W. R. Such, Mr. Percy Harwood and party, Mr. S. T. McCauley and many others. The dance committee treasurers will be glad to receive subscriptions from absentees.



At head of opposite page: Members of the dance committee with distinguished guests. In the front row are Mr. H. W. Gamble (president, Pharmaceutical Society of Northern Ireland) and Mrs. Gamble, Mr. J. P. Kissane (president, Pharmaceutical Society of Ireland), Mr. D. Murphy (committee chairman), Mrs. Murphy and Mrs. Kissane.
In the smaller rectangle on opposite page: Mrs. Kissane draws the winning ticket from the drum in the raffle for a Christmas hamper.
In circle on opposite page: Members of the younger generation.
Top left of this page: Mr. Frank Steele, Blackrock, and party.
In rectangle at top right: Dublin and Belfast presidents get together. The group includes Mr. and Mrs. H. Cowzer, Belfast, and Mr. James G. Colman (registrar, Pharmaceutical Society of Ireland).
In second rectangle at right: Mr. David Murphy and friends.
In small circle at right: A group at Mr. J. D. Tooher's table.
Below: The table of president of the I.D.A. (Mr. David Woulfe).

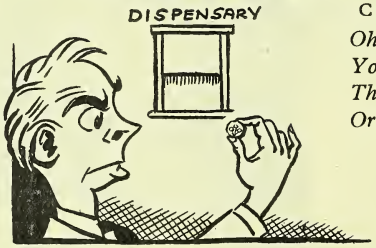


C.
CHRISTM

Now listen while I tell you about pharmacy.
And all the members of the Society.
They make up medicines for nose, throat and ear,
And read all about 'em in the Pharmacopœia.
When they come to the Final, some get referred,
Some are less fortunate—they get the bird.
So they save up more guineas and again they try,
They keep coming back until they qualify.

CHORUS

Oh, if you're an M.P.S. or a Ph.C.,
You've got a good wide choice of what kind to b
There's the retail shop, wholesale or a factory,
Or hospital at negligible salary.



VERSE →

The men behind the counter now are very agitated.
The Government is threatening their profits basis.
It's yours for half a crown, one and six, ninepence.
No-one would be a chemist if he had horse sense.
Pity the struggling National Health Service chemist,
He'll have to watch the price-maintenance menace.
But now we have a new Government. That is very good,
Or it would be if we knew just where they stood.

CHORUS →

If you're dispensing under the N.H.S.
You'll get your payment some time, I guess.
You send in your claim—and then you wait,
For one year, two year—or maybe eight.
The Chancellor, the Bank Rate he has increased
Your arrears now earn more. You should be ple
So now think about the interest you've missed,
Like it or not, chum, you're a philanthropist.

ALYPSO

Written and composed by C. & D. musical dept.
Decorations by "Hut."

In London the contractors say the terms will do
But N.P.U. must win more fees for them in '52.
The Scots a cut in payments they can't abide
Seek arbitration and are handsomely justified.
For prompt dispensing payment Northern Ireland hits hard
But soon contractors there may have to "punch the card".
In Eire the secretary ties his wagon to a star—
To grace the new headquarters he gets called to the Bar.

Harrogate the registrar described his ideal shop.
re's nowt beneath the counter—and nothing on top.
president was sent to Australia
l then they gave another his regalia.
Devon chemists want a slice of two-tier cake,
y think they'll have a Birthday, but it may turn out Wake.
Iore sulphur" 's now the cry, the experts must seek all
hemists are to sell their brimstone and treacle.

I've left many things out of this description,
Including the omnipresent illegible prescription,
The manifold items that must be in stock,
The adoption of new constitution en bloc.
The C.F., the N.P.U. (they're indefatigable)
The many, many things that are incompatible,
Which reminds me to stop on a point that's more mellow;
Soon each Ph.C. may call himself "Fellow."

LAST CHORUS

To every M.P.S. and Ph.C.
I wish plenty Christmas frivolity,
Whether from shop, wholesale or factory;
And a prayer for hospital salary.

END OF VERSE

END OF CHORUS

D.C.L. VITAMIN B_1 YEAST TABLETS

Each ounce contains a natural Vitamin B potency equivalent to that of 25 mgm. Aneurin Hydrochloride, 1.4 mgm. of Ritoflavin, and 8 mgm. Nicotinic Acid. Each tablet contains 100 I.U. (approx.) Vitamin B_1
100 TABLETS 3/9. 50 TABLETS 2/3.
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NATIONAL ASSOCIATION OF OPTICIANS
The next Examination for the Fellowship and Honours Diplomas will be held at Edinburgh, on May 12th, 13th and 14th, 1952. Syllabus, Entrance Forms, etc., may be obtained from:
The Secretary, N.A.O.
8 Victoria Street, Liverpool, 2

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INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

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DELALCIT
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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.
VOL. CLVI DECEMBER 22, 1951 No. 3748

Four Score and Four

THE *Chemist and Druggist Diary and Year Book,* 1952, which is now going out to subscribers, is the eighty-fourth in the series. Its thickness proves that the *Diary's* appeal as an advertising medium is unminished, which is in turn a testimonial to the reliability and usefulness of its literary contents. Those parts which, at a casual glance, seem identical year by year are in fact annually submitted to scrutiny and modified according to legislative, administrative or elective changes that have taken place between each new edition and the preceding one. And the book is known to be in daily use for reference or entry by most of those to whom copies go. Indeed, the *Diary* is so greatly sought after that the reserve of copies put by for new subscribers proves nearly every year to fall short of the need.

This year the entries in the Trade Directory and Buyers' Guide sections are more numerous than ever. Small wonder that so many turn first to that unique source of trade information—and are seldom disappointed.

In the selection of literary contents the aims are to give as recurrent features (1) reference information on details of the National Health Service, the poisons regulations, taxation, etc., and (2) directories of professional and trade organisations (this year including for the first time the addresses of clerks of Executive Councils); and as occasional features information that has a rather longer currency, so that once it has been given there is no need to repeat it, at least for a period. That principle makes it wise to retain one's diary for some years so as to be able, it may be, to refer to the regulations governing the sale of spirits or to rehearse the steps to be taken in forming a limited company. This year the principal such inclusions are a table setting out the first aid treatments for poisonings, according to the accepted methods of voluntary ambulance associations, and a bibliography of reference books on pharmacy and allied sciences.

In a slightly different category are the rates of pay for pharmacists and assistants in Great Britain, which we give hopefully, knowing that there is always a likelihood they may become obsolete during the currency of the book. As the publication of a year-book is inevitably of the nature of hopeful travel rather than of arrival, we merely append the advice to users to watch for changes during the months ahead and to insert their own corrections where necessary. We take the opportunity to wish all *Diary* users a year of rewarding entries.

Reform, but Not Enough

RECENT adverse publicity given to the tablet disintegration test of the British Pharmacopœia (see *C. & D.*, October 6, pp. 455 and 462) has been quickly followed by an amendment (see p. 802) which will be welcomed by makers and dispensers of tablets alike. The amendment cedes that tablets of admissible quality may not break up spontaneously under the conditions of the former test—a point brought out by the pharmaceutical service committee of the London Executive Council in cases that came before it. Unfortunately the amendment does not go far enough. It makes no attempt, for example, to define "disintegration," yet it was the absence of a definition to which the supplier, a well-known manufacturer, drew attention in the cases referred to.

Further, another equivocal term—"slight touch"—has been introduced. Possibly the test, if applied with reasonableness, may prove workable. It is a matter for regret, however, that while a change was being made the opportunity was not taken to adopt a more carefully controlled and

specified test, particularly as such a test exists. In the United States, for example, the amount of agitation is, in the official test, carefully controlled mechanically, and provision for the admissible disintegration into small particles is met by the use in the apparatus of a wire-gauge screen of specified mesh. "Subjective" evidence is also reduced to a minimum by the ruling that tablets that have left "substantially no residue on the screen" are to be considered as "completely disintegrated." Whether or not the American test is quite so stringent as the British may be in question, but it at least has the advantage that it can be used more equitably in disputes. How the amended British test works in practice should be closely watched, with a view to its being again remodelled until a satisfactory statutory standard is evolved.

Drive for Dollars Renewed

When the former Dollar Exports Board was wound up in June it was succeeded by a purely advisory Dollar Exports Advisory Council. But the dollar situation deteriorated and it became obvious that something more than advisory functions were needed to cope with the position.

So a new Dollar Exports Council has been formed on a wider and stronger basis. It has been formed by industry itself with the full support of the Government. Among its members are some of the most prominent British industrialists with wide experience of the North American markets, and high-level officials of the Treasury, Board of Trade and Ministry of Supply are holding themselves in readiness to join in the discussions of the Council in all matters in which Government policy is involved. On the other side of the Atlantic leading businessmen in Canada and the U.S.A. have been appointed overseas members. In this country an executive committee has been formed, and a whole-time chief executive is being appointed. The chairman is Sir William Rootes. The scope of the new body was outlined by a spokesman of the Council in a statement to the Press. He said "We realise that in present conditions the difficulties are great and that in some trades the immediate problem is to maintain the existing volume of sales rather than increase it. We hope that firms already exporting to these markets will come and discuss their problems with us and we also want to give every practical encouragement to the large number of firms who have not yet entered the markets." The secretary is Mr. D. Widdowson and the offices are at 41 Buckingham Palace Road, London, S.W.1 (telephone: Whitehall 6711).

FIFTY YEARS AGO

Jubilee of North British Branch

From the C. & D., December 21, 1901

Many suppose that the [North British] Branch was founded as a result of Jacob Bell's historical provincial peregrinations, but so far as Scotland is concerned these happened two years later. The Pharmacy Bill of 1851 seems to have induced the crystallisation of the Branch. There had been opposition to it from Scotland on the part of physicians and surgeons, and in July of that year meetings of chemists and druggists were held in Aberdeen and Edinburgh, at which resolutions were passed in favour of a Board of Examiners for Scotland, for which there was no provision in the Bill. The Lord Advocate and Sir W. G. Craig, M.P., moved in the matter, and the necessary clause was introduced. This forced the situation. On September 8 a circular was issued by John Mackay, in which it was stated that a meeting of the Society had been held that day at 73 Prince's Street, Mr. John Duncan presiding, whereat a communication was read from the Society on London as to the establishment of a Board of Examiners for Scotland. The Scotch members, who had increased to twenty-six during the decade, proposed a board of four members. A meeting was called for September 22, at which Mr. John Duncan again presided, and Mr. Jacob Bell was present. It was agreed that the Board of Examiners should number eight, and they should be nominated annually at a general meeting of the members resident in Scotland to be held in Edinburgh, and the Board would meet in Edinburgh four times a year or as often as required. The Council of the Society adopted the proposals on December 3, 1851, and appointed Messrs. H. C. Baildon, John Duncan, W. R. Davenport, James Gardner, J. F. Macfarlan, John Mackay, and James Robertson, as examiners. The Board was recognised by the Act.

OLD ERRORS AND OLD CORRECTIONS

By Kalamos

THE efforts of an author to correct, with such knowledge as was available in his period, what he regarded as errors are always of interest. A good example occurs in the published works of James Primrose (or Primerose, as the name is sometimes spelt). Primrose was born in France of Scottish parents, became a Doctor of Medicine at Montpellier in 1617 and gained the corresponding degree at Oxford in 1628; a year later he was licensed by the Royal College of Physicians of London. He practised in Hull, where he died in 1659. In the year when he obtained his Oxford M.D., William Harvey's famous book on the circulation of the blood appeared. Primrose opposed Harvey's theory: no reply is recorded.

This attitude to "De Motu Cordis et Sanguinis" might give us the impression that his critic was a mere reactionary not worth a second thought. But Primrose was, according to his capacity, a discriminating commentator of the medical and quasi-medical ideas of his day. Of the three books by him most likely to be consulted by apothecaries, two were translated into English by Robert Wittie, M.D. Oxon., a contemporary who practised in Hull and York, removing to London when he retired. One of these books. "Ars Pharmaceutica Methodus Brevissima De Eligendis & Componendis Medicinæ" (1651) has remained untranslated. A look through its 272 pages discloses nothing outstanding in either the contents or their arrangement; and in 1651 physicians and apothecaries could consult other treatises.

A Proprietary Antimonial Cup

In 1640 a pamphlet entitled "The Antimoniall Cup twice cast: Or, A TREATISE concerning the *Antimoniall* Cup, shewing the abuse thereof" appeared with Wittie's name on the title-page; he was there described as "M. A. Philiatr." Wittie explains, in his preface, that he has translated Primrose's "Popular Errours," to which this pamphlet was to have been added. But, he continues, it has been published by itself, "seeing that the Impression of the aforesaid Treatise is for some reason procrastinated for a while;" it "shall as soone as may be, be Pressed to doe thee service; meane while accept of this loving[ly], expect the other patiently, as it is tendered willingly by him, who is thine in any friendly office." This antimonial cup was a proprietary article, though for some reason or reasons the name of the proprietor is not mentioned by Wittie, nor is there any quotation from the advertisements. Following the clue that he was a minister of religion, we have little difficulty in identifying him. As was recorded in THE CHEMIST AND DRUGGIST Special Issue of June 25, 1927, a certain John Evans, describing himself as "Minister and Preacher of God's Word, dwelling neer the Golden Lyon in Fetter-lane," issued in 1634 and afterwards a pamphlet entitled "The Universal Medicine: or the Virtues of my Magneticall or Antimoniall Cup . . ." The publication was dedicated to the House of Commons. Evans's cup was described, in florid terms, as "animated by Cœlestiall Influences," and as distinct from "the common Regulus of Antimony, whereof the violent and pernitious Antimoniall Cups are commonly made and vulgarly vended." A list of thirty-one virtues was supported by twelve testimonials and particulars of 101 cures. Wine kept in the cup for twelve hours in a moderate heat would, it was claimed, retain its efficacy for a month if stored in glass or earthen "bottels." According to an announcement in the London "Mercurius Publicus" Mr. Evans was still supplying his cups in 1662.

Claims Disputed

Primroses' translator went straight to the point; in the light of the knowledge then current, he stressed the dangerous nature of antimony when administered internally. On page 2 we read:

> "Now they that pry into the nature of Minerals and Mettals, are of opinion that *Antimonie* doth consist of crude and very impure Sulphur, *Mercury,* and *Arsenicke:* And therefore it is so contrary to our nature, that . . . it doth even in the least quantity that may be given, offer great violence to the intralls, and doth retaine its malignant quality, which can scarce be taken away by any infusions . . . Hence many grave Physitians, as *Fernelius, Riolanus, Gesnerus,* and the whole Colledge of Physitians at *Paris,* doe utterly dislike the internall use thereof . . ."

It appears that Mr. Evans's cup must have been a remunerative side-line, for the

cost of replacing a broken cup by a new one was 10s. Comment in the pamphlet is severe: "This is the best trick of all his booke, a pound of *antimony* unprepared is hardly worth above sixe-pence in the *Druggisters* Shop . . . Besides, when the cup is broken, the vertues are not broken, the pieces being steeped doe retaine the same vertue . . ." The internal use of antimony is not condemned outright by our author; but only a physician, he declares, can adapt the remedy to the patient.

Primrose's "Procrastinated" Book

The "procrastinated" treatise by Primrose, translated by 1640, did not appear till 1651. This volume, comprising 461 pages and the customary dedication, table of contents and other adjuncts, bore Wittie's name and the title "Popular Errours. Or the Errours of the People in Physick, First written in Latine by the learned Physitian James Primrose Doctor in Physick . . ." Wittie's address to the "courteous" reader, dated December 2, 1650, makes "the Distractions of the times" responsible for the delay in printing: those events, it will be remembered, included the civil war. The last of the 101 chapters of the book is a shorter version of the pamphlet of 1640 on the proprietary antimonial cup. Treatment of popular ideas varies. Some are stigmatised as errors; others are dismissed as doubtful but harmless. Quacks, among whom John Evans was no doubt included by implication, are severely censured; but three classes of lay practitioners are exempted from this designation, namely, "those manuall Operatists, that cut for the Stone . . . as also such as couch the Cataract, and those that cut for the Rupture; for they are lawfull Artificers . . ." The author's reflections may for convenience be grouped in two classes: (1) Statements on subjects not truly definable as popular errors, and (2) comments on ideas of a superstitious nature or tendency.

Professional Opinions

An entertaining definition of chemistry —one wonders what Boyle may have thought of it—is given: *Chymistry* is not an art of its owne kinde, but meerly a preparation of medicaments, and therefore in proper speaking belongs to that part of Physick called *Pharmacie* . . ." Relations between physicians and apothecaries are discussed under the heading "Whether a Physician may make up his owne Medicines, or no." The author is of opinion that the custom of having prescriptions dispensed by an apothecary "hath been in force ever since *Galens* time . . . Yet nothing hinders, but physicians, when they please, may prepare their own remedies. But because something must be yielded to place and custome . . . the Physician will have nothing for sale, but he may compound some speciall medicines for himselfe, the rest are to be committed to the care of the honest and diligent Apothecary." A reference to the bezoar stone shows that the alleged virtues of this costly medicament, then official in the Pharmacopœia Londinensis, were not confirmed in practice. (The French surgeon Paré had denied their efficacy several years earlier). Primrose gives his medical colleagues the benefit of his experience: "From what hath been already said, it is manifest that too much credit ought not to be given to this stone. I have very often given it to my Patients, but I never perceived any of those effects which are attributed unto it." He suggests that counterfeits abound, genuine stones being admittedly rare, and adds: "My counsell is, that it be prescribed only for rich men, and not for others that are not able to undergoe the charge, and that it bee always administred in a large dose."

Popular Ideas

As a rule, each popular idea selected is headed by the author's opinion on it—for example: "That red clothes are not to bee preferred before others, for the voyding of measils." Some of his comments are shrewd. Writing on the consultation of "the stars" before bleeding or purging, he remarks that if all the precautions of astrologers were taken, "there would be no time left for Physick." On the harmlessness of mercury taken *per se*, he cites Dioscorides as of opinion that it harms "only by reason of its weight and ponderositie," with the inference that doses should be small. Spanish physicians regard it, he states, as a most excellent antidote for children who are bewitched. On the evidence of Sir Thomas Browne, we may accept another physician's belief in the existence of witches as orthdox. Primrose knew that gold is insoluble in domestic broth, and enlivens his declaration "That gold is in vaine boyled in broth for them that are in a Consumption" by an anecdote: "Not long since, the

ood man *Daniel Sennertus* . . . being eceived by a German sycophant, wrote hat a hen being crammed a whole oneth with leafe gold, doth so perfectly urn the gold into her owne substance, hat three pure golden lines, as if they ere drawne by a workman, may be seene her breast . . ." He is sceptical about he remedial value of weapon-salve and of he touch of the "seventh sonne" for the ng's evil; and he notes with significant revity that a gentleman of his acquaintnce paid £20 for a recipe for electuarium nitivum, regarding it as a great secret. ccasionally he sits on the fence: applyg "young whelps and pigeons" to the les of the feet may, he writes, do a ttle good "and cannot doe hurt." But e has no sympathy with fastidious atients. Claiming that medicines are (in 640) much less nauseous than formerly, e comments: "What shall we say then f the frowardnesse of the sick in this age, who though they have more toothsome and pleasant remedies administred to them, then [i.e., than] our forefathers had, doe neverthelesse detest Physick for its unpleasantnesses, and had rather lye long under a disease, than be cured with a very few remedies." Remembering the formulas for some official medicines then current, we may think that there was at least something to be said from the patients' point of view.

We may wonder why Primrose, the possessor of an Oxford degree and a London diploma, did not make his own translation of what he had written in Latin. A possible explanation is that, born and educated in France, he was not certain of expressing himself well enough in English. Another question arising is whether there is any connection between this writer's "Popular Errours" and the "Psuedodoxia Epidemica" of Sir Thomas Browne, published in 1646.

NEW BOOKS

Electrophysiological Technique.—C. J. ickinson, B.A., B.Sc. 8¼ x 5¼ in. Pp. 138. 2s. 6d. "Electronic Engineering," 28 ssex Street, London, W.C.2. The descriptve information given on electronic methds and apparatus used in practical physiogical work is illustrated with circuit diarams, and includes a table of references.

Ethylene and Propylene Glycols.—John ae, M.P.S. 8½ x 5½ in. Pp. 30. 2s. 6d. he Pharmaceutical Press, 17 Bloomsbury quare, London, W.C.1. Paper covers. part from a few minor alterations the rticles are reprints of a series which ppeared in "The Pharmaceutical ournal" and the "Quarterly Journal of harmacy and Pharmacology." They deal ith ways of taking advantage of the solent, preservative and hygroscopic properies of the compounds.

Open-chain Ureide Sedatives.—F. G. Hobart, Ph.C. 6½ x 4 in. Pp. 28. 3s. 6d. Leonard Hill, Ltd., 17 Stratford Place, London, W.1. The author makes a short ut clinically well-documented plea for the ecognition of the value and wider use of pen-chain ureide sedatives which include llylisopropylacetyl urea, bromvaletone, and arbromal. He claims that the value of the pen-chain ureides, as opposed to the barituates, is their freedom from unpleasant ide-effects and the absence of tendency to abituation.

Aids to Pharmaceutical Chemistry.—W. A. Mutcham, M.P.S. 6¼ x 4 in. Pp. 347. 6s. 6d. Baillière, Tindall and Cox, 7 Henrietta Street, London, W.C.2. This new addition to the familiar "Aids" series defines pharmaceutical chemistry as "the chemistry of the [1948] British Pharmacopœia," and presents its material in the same order as in that publication. The first 309 pages are concerned with official monographs, and the remainder summarise the B.P. appendices concerned with indicators, *p*H determination, qualitative and limit tests.

Chemical Indicators. — O. Tomicek, Ph.D. 9¾ x 6 in. Pp. 236. 21s. Butterworth's Scientific Publications, Ltd., Bell Yard, Temple Bar, London, W.C.2. Directed to academic or industrial chemists or students preparing for a professional examination in chemistry, this book explains the theory, and gives information on the practical use, of the chemical indicators used in neutralisation analysis, oxidation-reduction, adsorption, and fluorescence analysis and on the colorimetric determination of *p*H. Methods of performing calculations are explained and many worked examples are given. There are numerous diagrams, structural formulæ, graphs and tables. The treatment is not too complicated to be of value to less advanced students.

EDINBURGH OPENS ITS HUNDREDTH SESSION

THE opening meeting of the session of the Scottish Department of the Pharmaceutical Society was held in Edinburgh on November 16, Mr. H. T. Thomas (chairman of the Scottish Executive) presiding.

THE CHAIRMAN drew attention to the fact that the meeting commenced the hundredth session of evening scientific meetings of the Society in Edinburgh and introduced PROFESSOR G. F. MARRIAN (professor of chemistry in relation to medicine, Edinburgh University), who gave an address on "Recent Work on the Adrenocortical Hormones" of which the following is an abstract.

Different Uses of Cortisone

The use of cortisone and other adrenocortical hormones in the treatment of Addison's disease and the use of cortisone in the treatment of rheumatoid arthritis and related conditions must be distinguished. In Addison's disease treatment consists of making good a deficiency of hormones. In rheumatoid arthritis and related conditions there is, so far as is known, no deficiency of the endogenous adrenocortical hormones, and treatment involves the production of an effect in the diseased tissues by an unnatural excess of the hormone—the action of cortisone is pharmacological rather than physiological. A common feature in many diseases which respond to cortisone is an inflammatory condition in connective tissues or in other tissues derived from the primitive mesoderm. Cortisone exerts its beneficial effects by suppressing the inflammatory symptoms in the mesenchymal tissues. In experimental animals it will inhibit the normal inflammatory response in mesenchymal tissues to a variety of injurious substances such as turpentine, formaldehyde, and bacterial toxins. This is not without its dangers. During prolonged treatment of a chronic disease with cortisone, symptoms of an acute and perhaps more dangerous disease may be suppressed and pass unnoticed. Such cases have been reported, e.g., symptoms of peritonitis suppressed in rheumatoid arthritis during cortisone treatment. Also wound healing is delayed—due perhaps to an inhibiting action of cortisone in the formation of new connective tissue. Carbohydrate metabolism may be interfered with to the point where a diabetic state develops In females male secondary sexual characteristics may develop. These undesirable effects can be minimised by careful regulation of the daily dosage, but prolonged treatment with it may always be accompanied by risk. The risk on short-term treatment of acute diseases such as rheumatic fever will be less.

From a biochemical standpoint one of the most interesting and challenging facts about the adrenocortical hormones is the multiplicity of physiological and pharmacological effects they are able to produce. Cortisone promotes sodium retention and potassium excretion. It influences carbohydrate metabolism by promoting gluconeogenesis from protein. In some clinical conditions it promotes uric acid excretion and so it may have a rôle in purine metabolism. It will cause a rapid atrophy of lymphoid tissues. One is tempted to speculate that cortisone interacts with a chemical grouping present in a number of different enzymes. To understand the effects of cortisone (and of the other adrenocortical hormones), their action must be studied by *in vitro* experiments with tissue preparations and isolated enzyme systems.

When it is known how cortisone works cheaper substitutes may come to be made. Chromatographic experiments have suggested that progesterone may be the immediate C_{21} precursor of the adrenocortical hormones in the gland. Pincus and his co-workers provided proof of the formation of the adrenocortical hormones from cholesterol by perfusing glands with cholesterol labelled with radioactive C^{14} at position 3. They were able to isolate labelled adrenocortical hormones from the perfusate.

Problems of Synthesis

It is unlikely that sufficient cortisone to satisfy the world demand could be obtained by partial synthesis from deoxycholic acid even if the yield were to be greatly improved—the world supply of deoxycholic acid is not large enough. Total synthesis of steroids poses a tremendous problem for the organic chemist. The total synthesis of cortisone has, however, been achieved by Woodward at Harvard and by a group in the Syntex Laboratories in Mexico. Total synthesis is difficult and the product may for some time be even more expensive than that produced by partial synthesis from deoxycholic acid. It is even possible that the total synthetic product may never be able to compete in price with the partly synthetic, partly natural, product.

VICE-PRESIDENT AT TEES-SIDE

A MEETING of the Tees-side Branch of the Pharmaceutical Society held in Stockton-on-Tees on November 14 heard an address by MR. W. J. TRISTRAM (vice-president of the Society) entitled "In my View." Mr. Tristram paid tribute to the "new approach and team-work shown by the new Minister of Health." That attitude was, he suggested, more conducive to willing co-operation from chemist contractors. Economies in prescribing could be effected without hardship to the patient, whose welfare must be the primary consideration. The Council, he said, recognised the need for "making haste slowly" in regard to the advertising of dispensing services. Following suggestions received from the Statutory Committee, the Council had tabled an amendment to the Statement on Matters of Professional Conduct. That amendment was unexpectedly referred back for further consideration at the annual general meeting and so the whole position would now be reviewed in the course of a complete revision of the Statement. Machinery for dealing with business associations between chemists and doctors was much more active on the pharmaceutical side. A recent case before the Statutory Committee had resulted in a judgment of the greatest significance in cases where questions of collusion arose. The Council did not intend to ban the sale of contraceptives by members, but their unrestricted display should be discouraged. The Council sought authority to include in the Statement a paragraph enabling them to forbid their display. There was a growing tendency to display, in shops, advertising material that would not satisfy the requirements of the newspaper publishers. He drew attention to the standards laid down by the Chemists Federation with regard to advertising.

Mr. Tristram suggested that, to a certain extent, the situation concerning superintendents of corporate bodies had got out of hand. The Council had always intended that such superintendents should be in active control of the business. The Council intended to draw up a model agreement to cover the contract between superintendent pharmacists and the respective proprietors. The intake of students was, at present, adequate to maintain the Register but man-power in the future might be dissipated in opening new pharmacies. That factor would emphasise the reliance placed on unqualified assistants. In a discussion Mr. Tristram stated that the supply of unqualified male staff was "drying up." He posed two further questions:—"Would some form of limited recognition do more than regularise the situation already obtaining today?" and "Does the present high standard of pharmaceutical education provide a gap which cannot be bridged between the qualified person and the trained technician?" A vote of thanks was moved by MR. J. HOLT and seconded by MR. D'A. A. BRAY.

MICROSCOPY-IN-INDUSTRY EXHIBITION

AN exhibition, entitled "How Industry is Using the Microscope," organised by the industrial section of the Royal Microscopical Society, was held in London on November 21. A pharmacognostical exhibit by the Pharmaceutical Society of Great Britain, at which Dr. T. E. Wallis was in attendance, explained how *Phytolacca* leaf can be detected as a fraudulent substitute for belladonna by microscopical examination of the calcium oxalate crystal cell-content. Herts Pharmaceuticals, Ltd., showed photomicrographs of complex water-in-oil emulsions. Three of the plates showed progressive deterioration of an emulsion on storage and one demonstrated an emulsion within an emulsion. On the slide from which that photomicrograph was taken the oil globules in the inner emulsion exhibited Brownian movement. Periodical microscopical tests of emulsion products are made. A slide of the mould *Fusarium* (a source of slime in cooling towers), showing the characteristic multicellular conidia, was exhibited by Imperial Chemical Industries, Ltd. Thin sections of anhydrite ($CaSO_4$—a raw material for sulphur) from the company's Billingham mine, were also shown to demonstrate how impure stone of high silica content can be detected by observation of limonite staining immediately below the working face. Large photomicrographs by the research department at Epsom of the Distillers Co., Ltd., illustrated control of the manufacture of baking yeast by examination of the budding of yeast cells. Research into cross-breeding of existing yeasts to produce better varieties was demonstrated by photomicrographs of the formation of ascospores,

dissection of asci, pairing of spores, and conjugation of two ascospores to form a hybrid. In marked contrast to the shining chromium of modern microscopes, a brass binocular instrument purchased by Whitbread & Co., Ltd., at Pasteur's suggestion, was on show. The British Drug Houses, Ltd., showed slides of mesenteric membrane, liver cells and reticular fibres as examples of stainings designed to test microscopical stains for the purpose to which they are likely to be put in practice. Glaxo Laboratories, Ltd., demonstrated antibiotic research and production control as well as the use of the microscope in the late stages of extraction of antibiotics and vitamin B_{12} by identification of the crystal formations. The agglutination of a culture of *Leptospira icterohæmorrhagiæ* by the serum of patients suffering from Weil's disease as used for diagnostic purposes was demonstrated by The Wellcome Research Institution. Examples of tests of stains and mountants and the microscopical characteristics of the diatomaceous earths used as filter beds for certain microscopical materials were shown by George T. Gurr, Ltd. Electron micrographs and photomicrographs of photographic emulsions were exhibited by Kodak, Ltd. A microscopical study of detergent action was staged by the British Launderers' Research Association.

END OF THE CHEMISTS' DENTAL SOCIETY

The Chemists' Dental Society, founded in 1910, was dissolved at a meeting held in London on November 1. At that meeting the Chairman (Mr. G. C. C. Hinton) referred to the amalgamation with the British Dental Association of other dental organisations. It had, he said, been smoothly carried out. The Chemists' Dental Society had justified its existence, and fully discharged the objects for which it had been formed. At the meeting a resolution was passed donating out of the remaining bank balance the sum of £100 to the British Dental Association's Benevolent Fund, and the remainder to the Pharmaceutical Society's Benevolent Fund.

Founded at *C. & D.* Office

It is of interest to recall that the Society was founded at the offices of The Chemist and Druggist, then at 42 Cannon Street, London, E.C.3. In the year 1910 the British Dental Association drafted a Bill to amend the Dentists Act, 1878, whereby dental practice was to be reserved to certain specified persons. Among persons not to be allowed—under the Bill— to practise dentistry was "anyone combining that practice with any other occupation or calling." Prompt opposition by chemist-dentists to the proposed Bill came in a letter to the Editor of The Chemist and Druggist in July 1910. Further letters followed. Editorial support came a few weeks later and suggestions that an association of interested persons should be formed were made in the correspondence columns in the same issue, and a large number of letters were published in support of the proposal. One lone voice was raised in opposition. A correspondent (Timorous Tyke) asked: "Why all this shrieking? Surely no self-respecting pharmacist can object to another section of the community endeavouring to protect its interests by stopping extraneous opposition." Timorous Tyke gained small support for his views and the following week a request to the Editor of The Chemist and Druggist to allow a meeting of chemist-extractors to be held at 42 Cannon Street was readily complied with and the Chemists' Dental Society was formed on September 8. Prior to the meeting letters were sent out by the Editor to all who were likely to be interested in the meeting. The Editor asked recipients of the letter who could not attend to communicate their views, which would be placed before the meeting. Some eighty replies were received, extracts of a number of them being read to the meeting.

Rights of Chemists

More than a decade was to elapse before the legislation the Society had been founded to oppose reached the Statute Book in a modified form. The Dentists Act, 1921, became law on July 28 of that year. Under it, chemists who could prove to the satisfaction of the specially created Dental Board that they had had, immediately prior to July 28, a substantial practice as a dentist were allowed to continue in practice. Chemists, moreover, were given the right to extract a tooth if the case were urgent and no dentist or doctor were available (general or local anæsthetics were not, however, to be used). A leading article in The Chemist and Druggist described that provision as "inhuman."

TRADE REPORT

pot quotations for pharmaceutical chemicals represent the prices for wholesale quanti-es of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

London, December 19

FOLLOWING the announcement last week hat ACETONE and ISOPROPYL ACETATE ere increased in price, makers of ISO-ROPYL ALCOHOL have advanced their prices y 3s. per gall. Though business during he week was generally of negligible pro-ortions, the prices of most commodities n the CRUDE DRUGS market remained firm. Some reports indicate a little more interest n RHUBARB, and IPECACUANHA on the spot s very firm. Forward quotations for PAPAIN are difficult to obtain, and there s little material on the spot. Holders f the best quality Tinnevelly SENNA EAVES are quoting one penny per lb. nore than previously. CANADA BALSAM is ractionally dearer. All supplies of this ommodity have been shipped, and no more an be collected before May 1952 at the arliest.

There were few changes in the ESSEN-IAL OIL prices, though some commodities ontinue to decline. Of the imported veget-ble oils now requiring import licences, LIVE is dearer and ALMOND remains ractically unobtainable on the spot.

U.S. Drug and Chemical Report

New York, December 19

UNITED STATES chemical markets remain n a strong position, with domestic demand or defence requirements increasing and foreign trade expanding.

Growing markets in South America and Asia will help to boost sales of American chemicals abroad to around $1,000 millions this year, with the rise expected to continue during the next few years. Imports from Europe are also scheduled to gain owing to higher output in other countries and lower tariffs negotiated at the Torquay conference. The continued tight supply position in naphthalene should spur refined material purchases by packers for the spring trade, and demand for synthetic camphor will also gain after the first of the year. In ESSENTIAL OILS Dalmation SAGE is higher at $11.50. Quoted at lower prices are CITRONELLA and LEMONGRASS, which are down 10 cents and 15 cents respectively. Whole and cut vanilla pods are also down.

Pharmaceutical Chemicals

BENZYL BENZOATE. — Makers offer B.P. grade at from 5s. to 6s. per lb.

BORAX.—Prices for B.P. grade, in quantities of 1 ton and upwards are as follows:—Granular, £48 10s.; crystals, £51; powder, £52; extra-fine powder, £53 per ton. Prices of commercial range from £39 10s. to £44 per ton, as to type, and dehydrated borax is now £60 10s. per ton. In 1-cwt. bags; carriage paid in Great Britain. Surcharges for small quantities as previously. (see BORIC ACID).

BRUCINE.—ALKALOID is from 1s. 8d. to 1s. 9½d. per oz., and NITRATE and SULPHATE from 1s. 7d. to 1s. 8½d. per oz., as to quantity.

CITRATES.—Rates (per lb.) are as follows:—POTASSIUM, 1-cwt. lots, 4s. 1½d.; 28-lb., 5s. 1d. SODIUM, 1-cwt., 3s. 6½d.; 28-lb., 4s. 5d. (powder in both cases one penny more). IRON and AMMONIUM, granulated, 1-cwt., 4s. 5½d.; 28-lb., 5s. 7d. (Scales are threepence per lb. more).

CREAM OF TARTAR.—Rates for the home trade are as follows:—10-cwt. lots, 252s. per cwt.; 5-9-cwt., 253s.; 2-4-cwt., 254s.; 1-cwt., 255s., delivered.

CREOSOTE.—B.P. quality, ex beechwood, is quoted at from 6s. 9d. to 7s. 6d. per lb.

CRESOL.—Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

DITHRANOL. — Manufacturer's price is 407s. per kilo.

EMETINE SALTS.—Rates per oz. are as follows:—HYDROCHLORIDE, 32-oz. lots, 330s.; 16-oz., 333s.; 4-oz., 336s.; 1-oz., 343s. BISMUTH IODIDE, 32-oz., 167s.; 16-oz., 169s.; 4-oz., 171s.; 1-oz., 174s.

GLUCOSE.—Unchanged. Prices (per cwt.) for liquid glucose sold by manufacturers (or distributors) to consumers in original containers are as follows:—In tanks (2 tons or over), 72s. 6d.; in 3-cwt. barrels or over, 74s. 4½d.; in 5 to 6-cwt. drums, 73s. 9d.; in 1-cwt. drums or pails, 74s. 1½d.; in 56-lb. tins, 76s. 6d.; in 28-lb. tins, 78s. 3d.; in tins or jars of 14-lb. capacity or less, 80s. Higher prices up to 99s. 6d. per cwt. are charged where the buyer requests the breaking down of an original container of 3-cwt. or more capacity.

GUAIACOLS.—Liquid and crystal are from 16s. 6d. to 17s. 6d.; and carbonate from 17s. 6d. to 18s. 6d. per lb.

HEXAMINE. — Current quotations from makers are from 2s. 3d. to 2s. 6d. per lb., as to quantity and pack.

HEXYLRESORCINOL. — Price per lb. is 175s. for 28-lb. or 1-cwt. lots.

HYOSCINE HYDROBROMIDE. — Quotations are from 90s. to 95s. per oz., according to quantity, for British material.

ISOPROPYL ALCOHOL.—Advanced. Prices now range from 18s. 3d. to 19s. 9d. per gall., as to quantity.

METHYL SALICYLATE. — In 5-cwt. lots, price is 3s. 2½d. per lb.; 1 cwt., 3s, 3d.; 56-lb,, 3s, 3½d.

OXALIC ACID.—In quantities of 1-ton and less than 2 tons, spot material for the home trade is £133 10s. per ton, in 5-cwt. casks; 10 cwt.-1 ton, £138 10s. per ton; 5 cwt.-10 cwt., £143 10s. In 1-cwt. kegs, prices are £4 per ton more; quantities of less than 5-cwt., £162 10s. per ton. Packages free; delivered in U.K.

PHENOLPHTHALEIN.—Rate for 1-cwt. lots is 11s. 10d. per lb.

PHENYTOIN SODIUM. — Quotations for small quantities are at about 32s. 6d. per lb.: the base is available at the same price.

PIPERAZINE. — French material is offered at from 105s. to 115s. per kilo.

POTASSIUM PERMANGANATE. — Rates for material packed in 1-cwt. drums are as follows:—

QUANTITY	B.P., per lb.	TECHNICAL, per cwt.
1 cwt.	1s. 7½d.	172s.
3 cwt.	1s. 7d.	168s.
5 cwt.	1s. 6½d.	163s.
1 ton	1s. 6d.	158s. 6d.
5 tons up.	1s. 5½d.	154s.

SODIUM SULPHATE. — Feathery crystals are 18s. 6d. per cwt.; medium, 17s. 6d.; and granular, 22s. 6d. per cwt. Exsiccated is 45s. per cwt. in 1-ton lots, ex works.

THEOPHYLLINE. — Prices for ALKALOID are from 52s. 6d. to 60s. per lb., as to quantity. AMINOPHYLLINE is from 57s. 6d. to 65s. per lb.

Crude Drugs

ALOES.—Unchanged. Prime Cape on the spot is 220s. per cwt. and forward offers are about 200s., c.i.f., for prompt shipment. Curaçao is 425s., c.i.f.

BALSAMS.—*Canada* is offered at from 27s. 6d. to 30s. per lb. on the spot. *Copaiba*, Maranham, on the spot is 17s. per lb., duty paid. *Peru* is 18s. 9d. per lb., duty paid, and 15s., c.i.f., for shipment. *Tolu*, natural, forward offers are about 36s. per lb., c.i.f. B.P. quality is unchanged at 32s. 6d. per lb. on the spot.

CASCARA SAGRADA.—Unchanged. New-peel American bark is from 330s. to 345s., duty paid. 1950 bark is available at from 355s. per cwt., duty paid.

CHAMOMILE FLOWERS. — Belgian (standard quality) is about 4s. per lb., on the spot.

ERGOT.—Forward quotations of Portuguese are 46s. per lb., c.i.f., nominal. Spot offers are about 50s. per lb.

HENNA.—Sudan is 140s. per cwt. on the spot, and India, 95s.

HONEY.—A firm market. Spot supplies of Argentine are available at from 96s. to 100s. per cwt.; Australian, 95s. per cwt. in 60-lb. tins; Jamaican, from 105s. to 115s. in 3-cwt. barrels.

IPECACUANHA. — Firm. Forward offers are: Columbian, from 55s. to 56s. 6d. per lb. as to position: Nicaraguan, 60s., both c.i.f., December shipment. Spot prices of Columbian are 59s. per lb., and Nicaraguan, 63s., c.i.f.

LIQUORICE. — Anatolian natural whole root on spot in London is quoted at 52s. 6d. per cwt.; Syrian, natural, is 42s. 6d. Turkish block juice quotations are from 170s. upwards, according to holder, duty paid. Turkish stick is 180s. per cwt., duty paid; Italian stick, 475s. per cwt., duty paid.

MENTHOL.—Chinese is 81s. per lb., duty paid. Brazilian is 80s., duty paid. Synthetic detached crystals, 60s. per lb. for 60-lb. case lots.

PAPAIN.—Scarce on spot and forward. East African No. 1 white on the spot is about 41s. per lb., and Ceylon sun-dried, about 38s. per lb.

SEEDS.—ANISE.—Cyprus is 160s. per cwt.; Turkish, 150s., in bond, and 160s. duty paid, all spot London. CARAWAY.—Dutch are easier; 122s. 6d. per cwt., duty paid, now quoted. CELERY.—Indian quoted at 1s. 10½d. per lb., spot London. CORIANDER.—Market quiet with very little business reported during the past week. Spot: Morocco, 86s. per cwt., in bond, and 97s. 6d., duty paid; Argentine splits, unchanged at 80s., duty paid; Indian, 115s.; English, 120s. CUMIN.—Owing to lack of business prices have eased a little, spot Cyprus is now 217s. 6d. per cwt.; Indian, 215s.; Malta, 222s. 6d.; Morocco, 205s., in bond, and 225s., duty paid. DILL.—Indian is firm at 85s. per cwt., spot London; from 77s. 6d. to 80s. per cwt., c.i.f., now quoted for shipment. FENNEL.—Indian is quoted at 200s. per cwt., spot London, although the shipment price is 225s., c.i.f. London. FENUGREEK.—Morocco spot London or Liverpool is quoted at 46s. per cwt., duty paid.

SENNA.—Firm. Tinnevelly leaves on the spot are from 11d. to 1s. 6d. per lb., according to quality. Pods are 2s. 3½d. per lb. for f.a.q. and up to 3s. 9d. for hand-picked. Alexandria pods are upwards of 7s. 6d. per lb., for best quality.

SHELLAC.—Unchanged. Spot quotations are: F.O.T.N., pure, 355s. F.O. Standard 1, 365s., and fine orange, 390s. to 450s. per cwt., ex-London warehouse.

SQUILL. — Italian white new-crop is offered from origin at 57s. 6d. per cwt., c.i.f. London. Spot is 67s. 6d. per cwt.

TAMARINDS.—Barbados are about 45s. per cwt. on the spot; Antiguan, 42s. and dry Calcutta, 70s.

TURMERIC.—Madras finger is 82s. 6d. per cwt., spot London; for shipment, 70s., c.i.f.

VALERIAN.—Whole Belgian on the spot is quoted at about 210s. per cwt., spot, and 190s., c.i.f., for shipment. Indian is 169s. 6d. per cwt., spot London; for shipment, 160s., c.i.f., quoted. Spot Russian is 180s. per cwt.

VANILLIN.—Current rates (per lb.) are follows:—5-cwt. lots, 45s.; 1-cwt., s. 3d.; 56-lb., 45s. 6d.; smaller quanti-s, 45s. 9d.

WAXES.—BEES'.—Dar-es-Salaam on the ot is 560s. per cwt.; shipment, 500s., .f. Benguella on the spot is 560s., duty id (in bond, 530s.). December-January, 52, shipment, 515s., c.i.f. CANDELILLA.—ot supplies are offered at 625s. per cwt.; shipment offers. CARNAUBA.—Prime llow, spot, 1,075 per cwt.; shipment, 0s., c.i.f. Fatty grey, spot, 875s. per t.; shipment, 835s., c.i.f., December-nuary, 1952, shipment. MONTAN.—Rei-ck crude on the spot is 132s. 6d. per t. OURICURI.—Spot, 0.5 per cent. im-rities, 800s. per cwt. SPERMACETI.—ot supplies are from 2s. to 2s. 3d. per lb.

WITCH HAZEL.—Leaves on the spot are oted at 2s. 6d. per lb.

Essential and Expressed Oils

ALMOND. — English-expressed is from s. 6d. to 6s. 10½d. per lb. No offers of nported oils from origin.

ANISE. — Firm. Spot quotations are om 9s. 6d. to 10s. 3d. per lb. in original rums.

CINNAMON.—B.P. oil on the spot is quo-d at from 65s. to 70s. per lb. English ark oil is offered at 24s. per oz. Seychelles af, 14s. per lb., spot.

CITRONELLA. — Spot prices for original rums are: Ceylon, 7s. 9d. per lb. For-nosa, 8s. 6d. and Java, 9s. 9d. Forward uotations for Ceylon are about 6s. per lb., ormosa, 7s., Java, 7s. 9d., all c.i.f.

CLOVE.—English-distilled bud oil is from 2s. to 33s. per lb., with other grades of B.P. oil at about 25s. Madagascar leaf n the spot is 19s. 6d. per lb., and 14s. 6d., .i.f., for shipment.

DILL.—English-distilled oil is quoted at bout 65s. per lb. for B.P. quality. Im-orted oils are offered at 41s. 6d. per lb. vith East Indian at 30s., spot.

EUCALYPTUS.—Firm. 70 to 75 per cent. ucalyptol on the spot is from 9s. to 9s. 3d. per lb. and 80 to 85 per cent., from 9s. 3d. to 9s. 6d. There are few offers rom origin.

FENNEL. — Spanish sweet on the spot s quoted at from 9s. to 12s. 9d. per lb.

LAVENDER.—French, 40-42 per cent. lina-ol on the spot is from 45s. to 47s. per lb. Spanish spike is 15s. 6d. per lb. for spot nd 15s., c.i.f., for shipment.

LEMONGRASS. — Quotations are from 14s. per lb., c.i.f., according to position. Spot supplies are 17s. per lb.

LIME.—Limited supplies of West Indian distilled are about 67s. 6d. per lb., on the spot, for shipment, 65s., c.i.f.

NUTMEG.—English-distilled oil is from 48s. to 50s. per lb. Imported oil (B.P.) is from 37s. 6d. per lb., duty paid.

OLIVE.—Prices for spot supplies are rising. French virgin oil in 48-gall. drums, spot, is 35s. 6d. per gall.; pharmaceutical, 35s. French virgin (maximum acidity 1 per cent.), new-crop, is offered for December shipment at £255; Tunisian virgin at £250; and French pharmaceutical (maximum acidity 0.25 per cent.), at £250 per 1,000 kilos, buyer's licence, c.i.f., London.

ORANGE.—West African is about 38s. 6d. per lb., nominal. Palestinian is 29s. per lb. Forward offers of Sicilian are 31s. per lb., c.i.f.

PENNYROYAL.—Offers for immediate shipment are from 30s. to 35s. per lb., landed, duty paid, as to source. Spot supplies are available at from 31s. per lb.

PETITGRAIN.—Easier forward. Paraguay is offered at 27s. 6d. per lb., c.i.f. Spot supplies are from 30s. per lb.

PIMENTO BERRY. — English-distilled oil, 62s. 6d. to 65s. per lb. Imported oil is from 47s. 6d. per lb., spot.

ROSEMARY. — Spanish on the spot is 7s. per lb., duty paid.

SAGE. — Spanish is offered at 9s. 6d. per lb., spot.

SANDALWOOD. — Mysore oil on spot is from 82s. 6d. to 85s. per lb. Australian, 60s. per lb., and West Indian, 21s. per lb.

SASSAFRAS.—Brazilian natural is offering at from 6s. 6d. to 7s. 6d. per lb., duty paid, spot, according to grade.

SPEARMINT.—U.S.P. is 57s. 6d. per lb. on the spot.

VETIVERT.—Bourbon in original drums is 180s. per lb., spot.

WORLD TRADE

Indian DDT Import Decision. — The Indian Government is stated to have exempted the import of DDT from customs duty.

Canada Ends Exchange Control. — It was announced in Ottawa on December 14 that foreign exchange control had been abolished in Canada.

Bank Loan to Paraguay.—A loan of $5 millions has been made to Paraguay by the World Bank to finance imports of agricultural commodities including insecticides, veterinary supplies and fertilisers.

French Chemical Exports.—French export figures for the chemical industry show that, in the first ten months of this year, shipments abroad were valued at 51,000 million francs. For the whole of 1950 they totalled 47,000 millions, while the respective figures for 1949 and 1948 were 32,000 millions and 21,000 millions.

TRADE MARKS

From the "Trade Marks Journal," December 5, 1951

For pharmaceutical preparations (5).
TARTISOL, MYCOMORT, 693,826-29, by Shaw Laboratories, Ontario. PRIMOGYN, 696,423, by Schering, A.G., Berlin. BRONCHISAN, 696,478, by Silten, Ltd., Hatfield. VENTIN'S VENESE, B700,926, by Arthur Dudley Bevan Ventin, London, N.7. CORANOBION, 701,305, by Aktiebolaget Bofors, Bofors.

For cotton wool surgical dressings and surgical bandages (5).
CIRRUS, 697,900, by D. & M. Holdsworth (Proprietary), Ltd., Natal.

For all goods (5).
NOVOFREN, 693,346, by Wigglesworth, Ltd., Westhoughton. PUROMYN, DRAPOLENE, by Calmic, Ltd., Crewe. CORTELIN, 700,688, by Glaxo Laboratories, Ltd., Greenford. SOMNESIN, 701,982, by The British Drug Houses, Ltd., London, N.1. NIVEA, 701,991, by Herts Pharmaceuticals, Ltd., Welwyn Garden City. KERISTAN, 702,050, by Thomas Kerfoot & Co., Ltd., Bardsley.

For antiseptic preparations for external use (5).
ANUGENE, 693,828, by Shaw Laboratories, Ontario.

For medicated salves, other than eye salves, for human use in the treatment of abscesses (5).
ILON, 699,447, by Thomas Vallance Duncan, Tarbert.

For medicinal preparations for human use (5).
RENLIN, 699,618, by D. Mawdsley & Co., Manchester.

For insecticides (5).
DARTINE, 701,148, by Shell Chemicals, Ltd., London, E.C.3.

For vaginal tampons (5).
PURSETTES, 701,390, by Sanitary Products Corporation, Taneytown, U.S.A.

For chemical products for sanitary purposes (5).
SANIFUME, 701,491, by Elemanar, Ltd., London, E.C.2.

For sunglasses (9).
GOLDEN WING, 700,573, by Holborn Optical Co., Ltd., London, E.C.1.

From the "Trade Marks Journal," December 12

For agricultural, horticultural and scientific chemicals (1).
AGIL, 700,033, by Alluvial & General Industries (London), Ltd., London, W.C.1.

For chemicals used in the manufacture of perfumes, perfumery, soaps and cosmetics (1).
AROMANTHEME, FOLIANTHEME, JASANTHEME, LILANTHEME, MUGANTHEME, OEILLANTHEME, PARMANTHEME, 700,286-320, by Firmenich & Cie, Geneva.

For non-medicated toilet preparations (3).
WRIGHT'S, 678,700-699,014, by Wright, Layman & Umney, Ltd., London, S.E.1.

For colouring preparations for the hair (3).
BLENSOL, 702,592, by John Francis Reeve Barker, New Malden.

PRINT AND PUBLICITY

Press Advertising.—Shadeine Co., 49 Churchfield Road, Acton, London, W.3, state that considerable advertising is in progress at present for Shadeine hair dyes. Supplies are available through all the principal wholesalers.

Links with Press Campaigns.—Sets of window displays for use by retailers during the winter have been produced by Bovril, Ltd., 148 Old Street, London, E.C.1. The material is designed to link up with national advertising.

Exporting to America. — "Exporting to the United States of America" (64-pp.) has been published by H.M. Stationery Office, price 2s. 6d. It deals with the general characteristics of the U.S. market, advertising and distribution, commercial considerations, U.S. Government regulations, etc. There are nine appendices.

Doctors Circularised.—British Ethical Proprietaries, Ltd., Middle Street, Taunton, Somerset, have circulated to doctors in the United Kingdom, and to 3,500 doctors in Eire, a postcard drawing attention to Ruthmol chloride-free table salt. In Great Britain the product may be obtained through wholesalers or direct. In Eire the product is distributed by May, Roberts (Ireland), Ltd., Dublin, Eire.

NATURE NOTE

A SHORT walk brought us to the shore, where now, alas, granite blocks have replaced the mud flats one remembers as once pied with gulls and gannets. On the landward side of the promenade we chanced upon the hide-out of one of the hibernating pestlers (*Galenus summerseasonalis*), into whose drowsy eye the rare approach of winter callers seemed to evoke a predatory glint reminiscent of the warm and active months. Further inland we espied what we at first took to be one of the prolific store pestlers (*Managerius multiplex*). Afterwards, by the aid of field glasses, we were able to identify it, from its striated tibiæ and white "galligaskins," as one of the larger and rarer itinerant kind (*Inspectravis regionalis*) whose strange habit it is to visit in turn the nests of its smaller cousins, supposedly to prey upon them. Close by a nest of the latter—so close that we were at pains to account for the proximity of two such reputedly hostile species—was an active but harassed specimen of the solitary pestler (*Galenus proprietrix*). The cause of his anxiety we soon discovered, for a glance into the nest showed the egg to be unhatched, several months in arrears. We saw no trace that afternoon of the diffident clinical pestler (*Galenus hospitalis*), and can only suppose that he also was preoccupied with his hatch.

"LITTLE JOHN" DRUMS
CRYSTALS, POWDERS, TABLETS

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INSULIN A.B.

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Non-toxic, non-irritant, non-staining and yet highly active and readily absorbed Crookes Iodine Oil will be found of great value in the local treatment of a wide range of conditions. In fibrositis and myositis; for the remobilisation of joints following strains and sprains; for the immediate relief of chilblains and in the field of chiropody.

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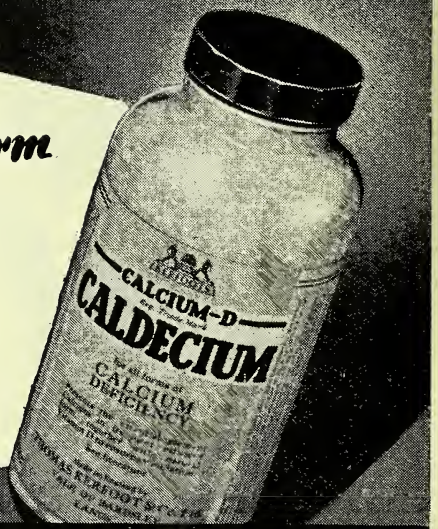

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CHRISTMAS & NEW YEAR

Greetings

to our many friends

from **W. B. CARTWRIGHT LTD.**

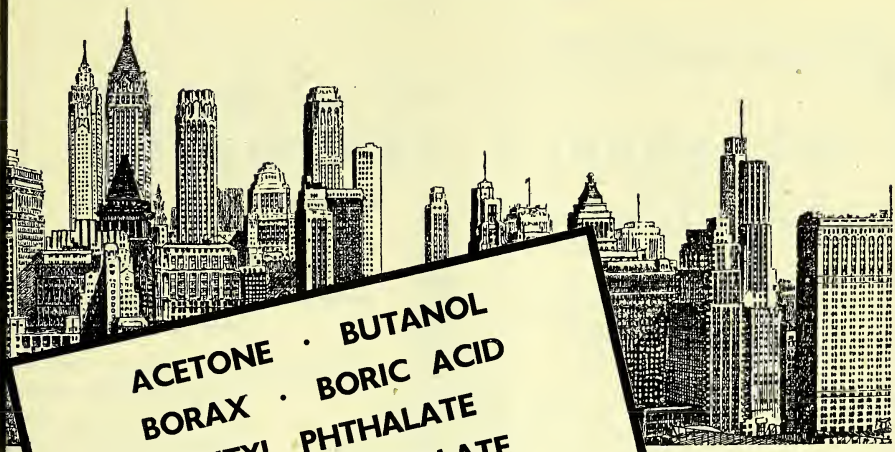
Manufacturers of

- **Moorlands**—the famous Antacid Indigestion Tablets
- **Lobelline**
- **Penetrol**
- **Urillac**

Please note our factory and offices are closed from Monday evening, December 24th until Thursday morning December 27th.

W. B. CARTWRIGHT LTD.
RAWDON · LEEDS

MOORLAND ANTACID INDIGESTION TABLETS
are now in the
NEW ROLL PACK
Each 1/1 carton contains 4 rolls of 10 Tablets, 40 in all. Handy for Pocket or Handbag.



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ACETYLSALICYLIC ACID U.S.P.
CAMPHOR U.S.P. NATURAL
(POWDER AND TABLETS)
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Plant: STATEN ISLAND, N.Y. Cables: GALLARDKEM

Seasonal Greetings

TO ALL OUR FRIENDS
AT HOME & OVERSEAS

from

SINCERE WISHES
for CHRISTMAS and
for the NEW YEAR

ENQUIRIES for your special needs for 1952 are cordially welcomed

ARTHUR H.
COX
& CO. LIMITED
BRIGHTON

STANDARD SYNTHETICS LIMITED

Actual distillers of **Essential Oils**

Manufacturers of **Aromatics, Perfume Bases and Flavours.**

We specialise in **Cinnamon Bark Oil, Juniper Berry Oil, Wintergreen Oil, Eucalyptol, French Lavender Oil, Terpeneless Lemon Oil, Rose Perfumes, etc.**

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BEAR *Brand* HONEY

the cream of the world's honey crops

Available in 7lb. and 56lb. tins and in barrels; also supplied in ½lb. and 1lb. jars.

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Good wishes for Christmas and the

New Year from **YARDLEY**

Show 'Elasto'—

Elasto

THE BIOCHEMIC TABLET

It Sells on Sight!

ELASTO advertising is widespread and consistent. A steady demand for this product is being created at your very door. Are you taking full advantage of this opportunity for new business created in your area by this vigorous campaign? 'Elasto' sales-aids displayed in your window or on your counter will convert the 'prospect' we have created into a customer for you. *And remember there is ONE SHILLING and SEVENPENCE PROFIT on each sale!*

Show material free on request

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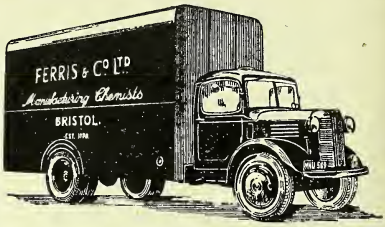
CECIL HOUSE · HOLBORN VIADUCT · LONDON



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The House in the West for all Chemists' Supplies

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BRISTOL

Manufacturing and Wholesale Chemists

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The soaring sales of this remarkable new French Hair Colour Rinse show the enthusiastic welcome Coloral has received from women all over the country. If you are not stocking it you are missing rewarding profits. Show it — and it sells! Get a stock from your wholesaler now!

COLORAL *Liquid*

HAIR COLOUR-RINSE

Made in six shades :—Deep Brunette, Velvet Brown, Hazel Brown, Burnished Gold, Auburn, Steel Blue.

RETAILING AT 1/3d. PER CARD OF TWO RINSES.

Packed and distributed in Great Britain by

TRADE PRICE 6/- per dozen cards (plus 100% tax) in boxes of two dozen cards of any one shade, or in a fixed assortment of two dozen.

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Prescriptive Pharmaceuticals

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ESTABLISHED 1777.

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THE NEURASTHENIC
THE OVERWORKED
THE AGED

They all need John Bell's Tonic Phosphates

Presented in an easily assimilated liquid form, this well-proved combination of strychnine and the glycerophosphates quickly wins the patient's confidence through its pleasing colour and palatability. Tonic Phosphates restores appetite, increases energy, and improves bodily tone—ensuring for the generally debilitated a properly balanced return to sound health.

Order John Bell's Tonic Phosphates now, to meet the demand which regularly develops at this time.

JOHN BELL'S TONIC PHOSPHATES

	Retail price	Wholesale price	
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8-oz. size ...	4/3 ea. ...	32/8 doz.	inc. tax
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JOHN BELL, HILLS & LUCAS LIMITED
Oxford Works
Worsley Bridge Road
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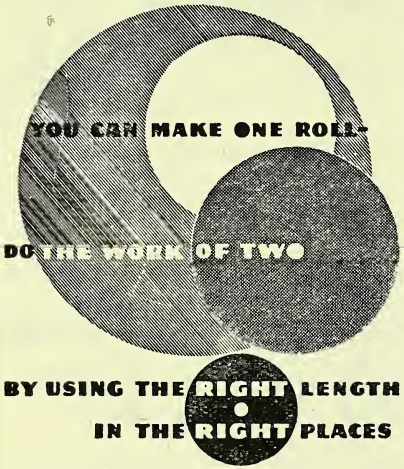
GUMSTRIP SEALING TAPE
IN SHORT SUPPLY



● THE AUTOMATIC CUT

By using one of the Camberwell Beauty Sealing Machines you avoid tape wastage. The Automatic Cut gives you the required length of Gumstrip correctly moistened for any carton or package.

● THE MOISTURE CONTROL

For a good stick it is essential that Gumstrip should have the correct amount of moisture. The moisture control unit ensures an even moisture distribution, because the water level is automatically maintained.

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Most of the training necessary to qualify for a Diploma in Chiropody can now be taken at home by specialised correspondence lessons. Fullest particulars of how to enter this highly-paid profession from:
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'ACME' THE EVER POPULAR AND RELIABLE VACUUM FLASK

in assorted colours

RETAIL prices:
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THE IDEAL XMAS GIFT

JUG SET
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JUG only
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New, Simplified Design of Pack enables

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from 6/- to 4/9d. per 20 tablets

without alteration of formula or quality of components

Leucotropin Tablets are being most extensively brought to the notice of the Medical Profession

TRADE DISCOUNT 25%

Also available in bottles of 100 tablets at 21/4d.

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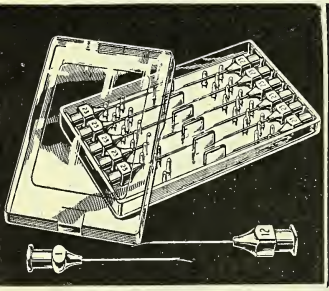

ALL SIZES *PROMPT DELIVERY*

STAINLESS STEEL

HYPODERMIC and SERUM NEEDLES

BEST GERMAN MANUFACTURE

ALSO, PNEUMO-THORAX, BLOOD, LUMBAR-PUNCTURE, ANÆSTHETIC ETC.

Exclusive Distributors :—

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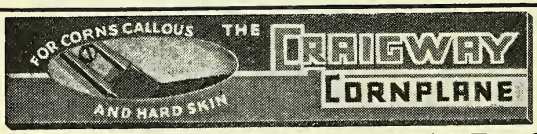

The remarkable success of the "Craigway" Corn Plane is due to the new principle involved. The angle of the blade is the secret. This new and profitable line only needs showing to SELL!

DISPLAY CARD OF 18

Individually packed in cartons

RETAIL* 2/3 *PRICE

15/4 per doz. plus Purchase Tax

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Stock up BRAND'S ESSENCE — it's advertised in

RADIO TIMES

The Nation's Shop Window

A health problem for the housewife

That "can't-face-food" feeling after winter ailments

DURING the winter months it is generally the minor ailments that tell most on the family's health; a troublesome cold, cough, or a dose of 'flu can undermine health, because the aftermath usually means that one simply can't face food. You encounter a vicious circle of feeling low and off-colour, and yet lack the appetite to build up your energy with good nourishment.

In cases like this, Brand's Essence is invaluable. *When there is serious illness in the home, Brand's Essence is the first thing that comes to mind to hearten the invalid over new appetite and strength.* In just the same way, Brand's Essence is a wonderful pick-me-up after the winter flu that can leave one so low and run-down.

Brand's Essence is made from fine beef or chicken, and engages no strain on a jaded stomach. It is easily absorbed, so that it gets to work at once, restoring tone and increasing energy production. Most important of all, it quickly stimulates appetite, which is the real answer to that listless, under-the-weather feeling that hangs on after a bad cold.

Brand's Essence is the answer when a member of the family is off his food for reasons such as overtiredness, nervous strain, illness or minor winter ailments. No household should ever be without it.

FOR INVALIDS

During and after prolonged illness, recovery is largely influenced by the patient's nourishment. Brand's Essence restores strength to convalescents, approved and recommended by nearly every case or injury disorder.

TO SPEED HIS RECOVERY

The wife whose husband is off his feed, or even before he has fully recovered from a cold or other illness, has Brand's Essence at her disposal. Its nourishing properties will soon have the satisfaction of seeing rich health.

FOR HOUSEWIVES

A busy housewife who has a dependent family for her to get on working, cannot afford a lengthy period of inactivity. A few spoonfuls of Brand's Essence before meals for a course of days will automatically lead to a feeling of confidence that "can't-face-food" feeling.

FOR CHILDREN

Children who are not at their best or are facing an ailment from the effects of days like this, a few spoonfuls of Brand's Essence will prove very useful.

FOR THE OVERTIRED

During a busy period at the office, overtired and worry can make matters tend to worse. Brand's Essence, by restoring half-an-pint of Brand's Essence, will restore Brand's relaxation and tone. It breaks the vicious circle of over-tiredness that prolongs the period of strain, in turn, more fatigue.

In cases of tiredness or lack of appetite that are abnormal or unduly prolonged, you should consult a doctor.

Brand's Essence of Beef 3/3
Brand's Essence of Chicken 4/3

Over 8,000,000 families see the powerful half-page advertisements for BRAND'S ESSENCE in The Nation's Shop Window

Stock and display goods advertised in the

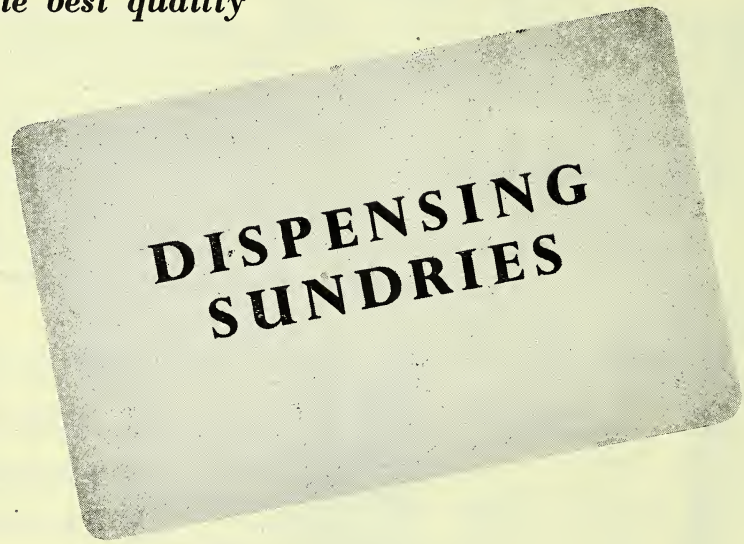
RADIO TIMES

Member of the Audit Bureau of Circulations

Higham Advertising

FOR YOUR WINTER DISPENSING

Make sure you have adequate supplies of the best quality



DISPENSING BOTTLES

CORKS

GLASS JARS

DROP BOTTLES, WITH PIPETTE

DISPENSING BALANCES

FUNNELS AND LOTION BOWLS

FILTER PAPER

MORTARS AND PESTLES

PAPER AND TWINE

BOXES, PILL AND OINTMENT

POWDER AND PESSARY BOXES

DISPENSING MEASURES

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PESSARY AND SUPPOSITORY MOULDS

OINTMENT SLABS

All goods carriage paid in free packages

Prompt attention given to urgent post orders

MACDONALD & SON LTD.

HOPE MILLS, POLLARD STREET, MANCHESTER 4 *Telephone: Ardwick 1561/2*

May a
busy Christmas
be the prelude
to a prosperous
New Year
POTTER & CLARKE Ltd.
60-64 ARTILLERY LANE · LONDON · E.1
77 DANTZIC STREET · MANCHESTER 4
62 ORBISTON STREET · MOTHERWELL

(PCT 56)

Greetings

BUSH

Send
Greetings & Best Wishes
to all friends old and new

THOMAS HARLEY Ltd.

take this opportunity of expressing their thanks to all their customers for their support during the past year and wish them a happy Xmas and a prosperous 1952

RODINE WORKS,
SOUTH METHVEN STREET.
PERTH, SCOTLAND

RELIANCE FINEST QUALITY SPONGE

Festival Year is ending—and Leap Year is at hand. Our festive wishes to our friends are prosperous business and success in 1952.

CRESSWELL BROS. SPONGES
INTERNATIONAL BUILDING BUCK STREET,
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Greetings and Good Wishes
to friends at Home and Overseas
GALE, BAISS & CO., LTD.
274/6 Ilderton Road, London, S.E.15

Christmas Greetings
TO ALL OUR FRIENDS AT HOME AND OVERSEAS
WILLIAM SESSIONS LTD
Seal, Label & Display Specialists
THE EBOR PRESS . YORK

Greetings
from
THE HOUSE IN THE WEST
FOR ALL CHEMISTS SUPPLIES
FERRIS of BRISTOL

HAPPY XMAS

TELEPHONE
AVENUE
6111
(10 LINES)

To all our many friends throughout the World we send this traditional greeting coupled with our very best wishes for 1952

from CHAS. H. WINDSCHUEGL LTD.
1 LEADENHALL STREET, LONDON, E.C.3

Seasonal

Christmas Greetings

. . . To all our friends
JAMES WOOLLEY, SONS & CO. LTD.
Victoria Bridge · Manchester, 3

. . . and Best Wishes
for good Business
in 1952
especially with

Evan Williams
SHAMPOO
and other
Hair Beautifying
Preparations

To all
Rexall
CHEMISTS
in Gt. Britain and Ireland

✳

Christmas Greetings
and best wishes for a
Prosperous New Year

✳

from the
REXALL DRUG COMPANY LTD.
NOTTINGHAM

Greetings

1951 - 1952

The Directors and Staff wish to extend most Cordial Greetings for Xmas and the New Year to all their Customers

TELEPHONES
EUS 2524 (5 lines)
5971 (5 lines)
5651 (3 lines)

The ALLIED DRUG AND CHEMICAL CO.

The Chemists' Suppliers with the Personal Service

ROBERT STREET, HAMPSTEAD ROAD, LONDON, N.W.1

To all our friends both Home and Overseas we wish the Compliments of the Season and a Peaceful and Prosperous New Year

CONTINENTAL LABORATORIES LTD.
101, GREAT RUSSELL ST., LONDON, W.C.1

The Directors, Representatives and Staff of

ROBERT Blackie LIMITED

in expressing the Best of Wishes for Xmas and the New Year . . . take the opportunity of extending thanks to their many friends for having kept them so busy during 1951

Robert Blackie Ltd.
Pomeroy Street,
London, S.E.14

Paynes

OF NOTTINGHAM

WISH ALL THEIR FRIENDS A

Happy Christmas

AND EXTEND THANKS FOR THE CONFIDENCE SHOWN IN THEM THROUGHOUT THE YEAR

THEIR AIM IS TO GIVE AN EVEN BETTER SERVICE IN THE

New Year

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FACTORIES: HAYDN RD., NOTTINGHAM • NOTTINGHAM 66648 (3 LINES)

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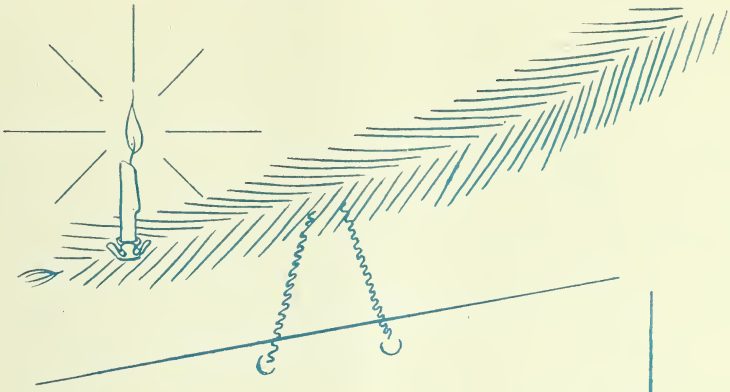

PARKE, DAVIS

AND COMPANY, LIMITED

send you

Christmas Greetings

and their best wishes

for a successful

19 52

CHRISTMAS GREETINGS

1951

The directors
management and staff
of the
CARNEGIES OF WELWYN
group of companies
extend to all their customers and friends
best wishes for Christmas
with health, happiness and prosperity
in the coming year

CARNEGIES OF WELWYN

WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

TELEGRAMS: CARNECHEM. WELWYN GARDEN · TELEPHONE: WELWYN GARDEN 506 (4 lines)

Muffler Time is 'Kepler' time! And more and more mothers are coming to realise how valuable 'Kepler' is during the winter in providing extra nourishment, promoting sturdy growth and building up defence against infection. That is why, especially after the lessons learned from last winter's influenza epidemic, mothers will be asking you for 'Kepler'—not only for the children, but for the adults in the family, too! Make sure your stock of 'Kepler' is large enough to deal with this winter's demand; if it's not, you will be well advised to ORDER NOW!

'KEPLER' BRAND

COD LIVER OIL WITH MALT EXTRACT

Protects the bodies it builds

BURROUGHS WELLCOME & CO. (*THE WELLCOME FOUNDATION LTD.*), LONDON, N.W.1

C

Nurse Harvey's Mixture

Only 1/9 BOTTLE—
No increase in price

It has come to our notice that some chemists have been selling Nurse Harvey's Mixture at more than the advertised price. We would respectfully remind friends that, as members of the P.A.T.A., they are bound by agreement to sell at the P.A.T.A. fixed price which is at present 1/9.

Our new National publicity has special appeal to mothers, reaching at least 20 million of them, through Women's Magazines and the Daily and Weekly press. Be ready to meet the large demand by building up your stocks now. It's a best seller! Display material available on request.

O. SCRUTON & CO., LTD.
BARKER LANE · YORK

NURSE HARVEY'S BABY POWDER, containing pure olive oil, is rapidly gaining in popularity. Be sure and include some in your next order.

Recommend

Rayner's Lembar

all the year hot or cold

Lemons
Glucose
Scotch Barley
Sugar

MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.18

Simplifying Seasonal Therapy...

PAVACOL for Coughs

Prompt relief for most cases of cough can be effected by means of PAVACOL. Consisting of a balanced combination of papaverine (0.02%) and codeine (0.08%), with aromatics and expectorants, PAVACOL rapidly allays the cough and induces natural sleep. The relief it gives minimises the patient's repeated calls on the physician's time.

Bottles of 4, 16, and 80 fl. ozs.

ADAPRIN for Chilblains

Chilblains respond quickly to treatment by ADAPRIN Tablets. These not only clear up the condition itself but prevent an early recurrence. Containing acetomenaphthone (10 mgm.) and nicotinamide (50 mgm), ADAPRIN Tablets also counteract any deficiency of vitamins K and PP, and stimulate peripheral circulation.

Containers of 25, 100 and 500.

Price List on request.

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WARD, BLENKINSOP & CO. LTD.
6, HENRIETTA PLACE, LONDON, W.1.
LANgham 3185. Duochem, Wesdo, London.

Makers of Ekammon for Safer Salicylate Therapy

The Directors and Staff of

CALLANDER & TULLY LTD

SCOTLAND'S SUNDRIES HOUSE

WISH YOU

and all associated with you

A

BRIGHT, CHEERFUL CHRISTMAS

and a

HAPPY, PROSPEROUS NEW YEAR

9 VICTORIA STREET, EDINBURGH 1

Sells on sight

BESCO *shampoo* EYE SHIELD

popular • cheap • simple

3/9 RETAIL PRICE

Kiddies enjoy hairwashing under the protection of a BESCO.

Simple, much-needed, much-advertised this eyeshield is really selling fast . . popularly priced at 3/9 . . good profit margin. Sample sent on request; trade buy at 24/- per doz., plus 33⅓% P.T.

nationally advertised

BESCO CO.,

Hill Street, Rochdale, Lancs.

Happy Xmas!

BROME & SCHIMMER

WHOLESALE DRUGGISTS

BOTANICAL DRUG AND SPICE IMPORTERS

DRUG AND SPICE MILLERS

7 LEATHER MARKET, LONDON, S.E.1

ESTABLISHED 1820

Christmas Greetings

and Best Wishes to all our Friends

HARKER, STAGG LIMITED

EMMOTT STREET, LONDON, E.1. Phone, STEpney Green 2022

and at 70a Hamstead Road, Birmingham, 19. Phone, Northern 4036

Now Available to all Chemists

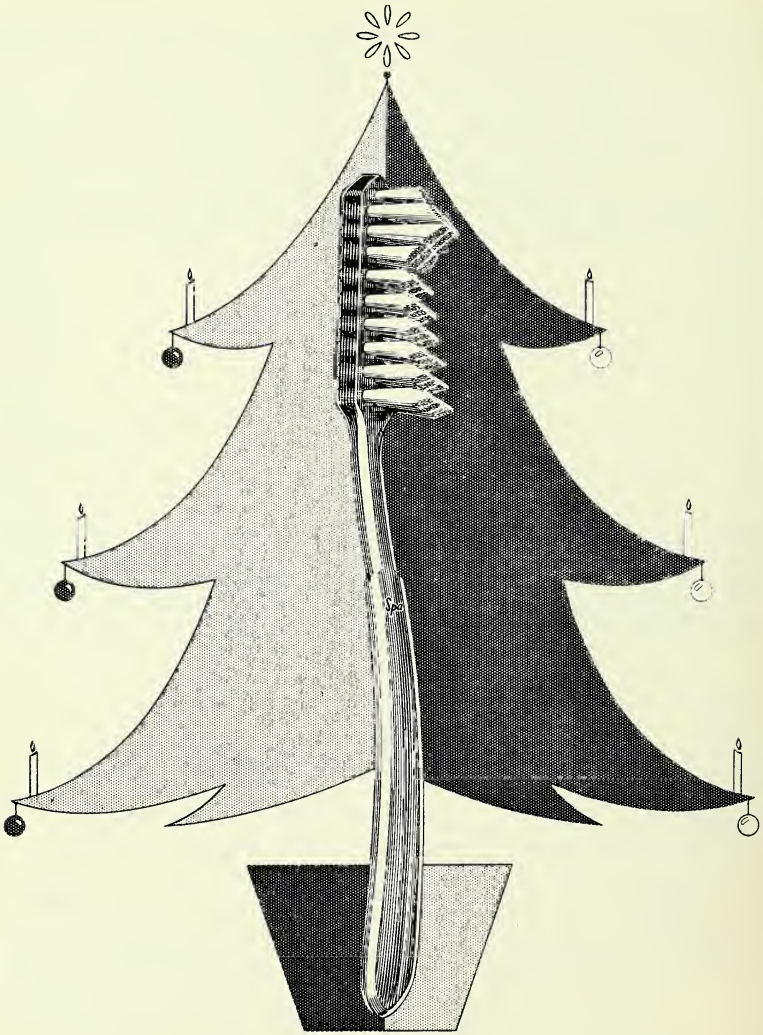
'NIAGARA' Brand Blackcurrant Syrup is rich in Vitamin C and is thus specially suitable for children, invalids and nursing mothers. It contains not less than 20 mgms. Ascorbic Acid per fluid ounce, and sufficient is now available for all to be supplied.

le makers

BARNETT & FOSTER LTD.

NIAGARA WORKS · EAGLE WHARF ROAD · N.1.

Established in the Year 1858



With Best Wishes
for Christmas and the New Year

FROM

SPA BRUSHES LTD · CHESHAM · BUCKS

Season's Greetings

We take this opportunity to wish all our many friends a

HAPPY CHRISTMAS

and a

PROSPEROUS NEW YEAR

HARDY

M·W·HARDY
AND COMPANY
(OVERSEAS) LTD

PINNERS HALL·GT WINCHESTER ST·LONDON·E.C.2

TELEPHONE: LONDON WALL 7131

At the sign of the THREE FLASKS on the White Rose of Yorkshire

This symbol is the registered Trade Mark of THORNTON & ROSS LTD., covering a wide range of ethical pharmaceuticals of unsurpassed quality, including many special formulæ devised and proved in the Thornton & Ross Ltd., laboratories.

May we have your enquiries?

TR 153

THORNTON & ROSS LIMITED

LINTHWAITE LABORATORIES · HUDDERSFIELD

Bon Voyage!

'AVOMINE'

trade mark *brand*

promethazine – 8 – chlorotheophyllinate

In the prevention and treatment of travel sickness 'Avomine' represents a successful attempt to obtain maximal therapeutic activity with minimal side effects. It may safely be given to children, and during pregnancy.

'AVOMINE' *is supplied in containers of 10 x 25 mgm. tablets 3s. 6d.*

In the U.K. Poisons List 'Avomine' appears in Part I Schedule IV.

manufactured by

MAY & BAKER LTD

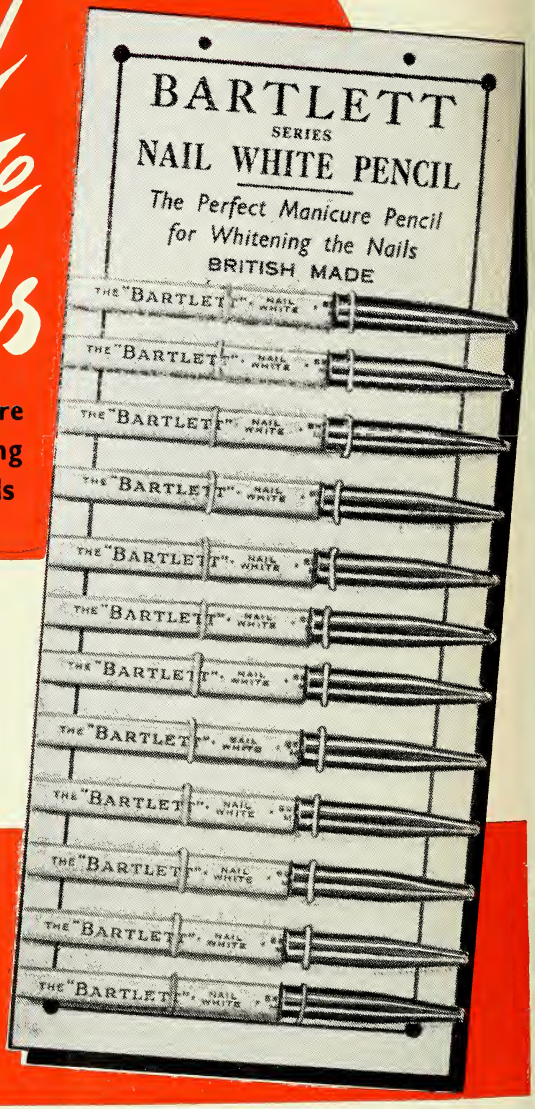
MA201

distributors

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD DAGENHAM

The BARTLETT SERIES OF Nail White Pencils

The Perfect Manicure Pencil for Whitening the Nails



also

THE BARTLETT SERIES

of the

Perfect Eyebrow Pencil

in Black, Brown and Dark Brown

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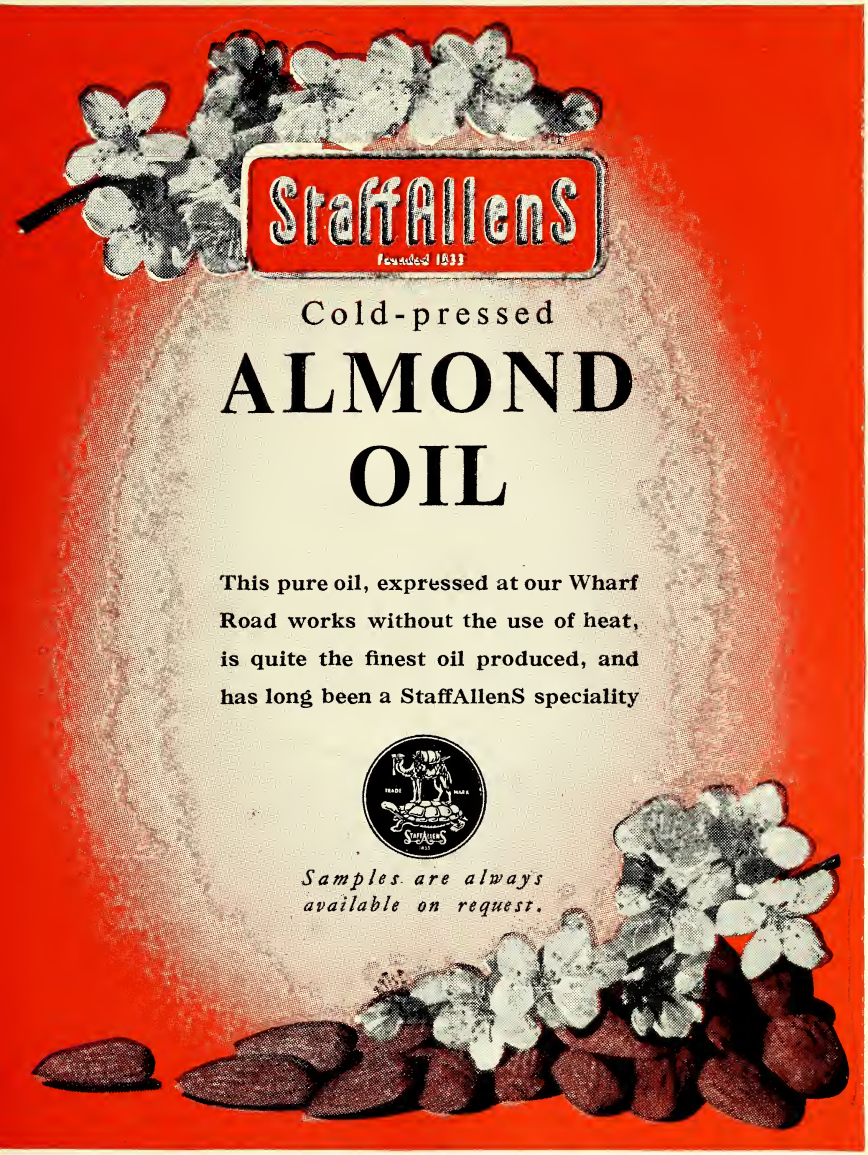

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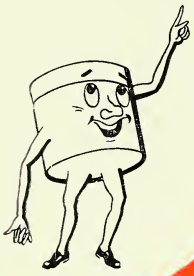

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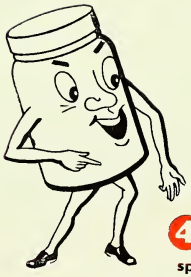

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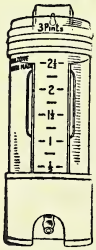
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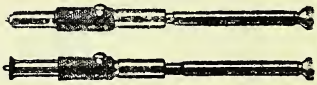
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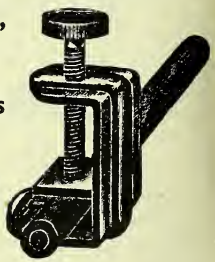
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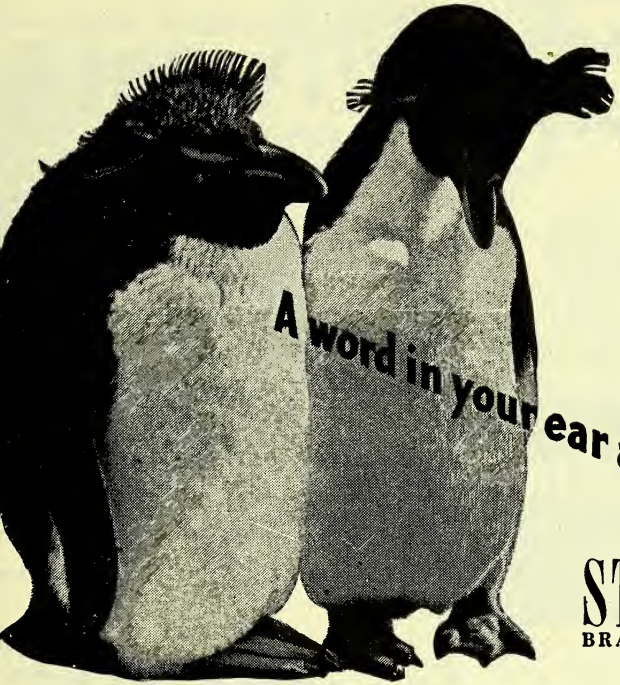

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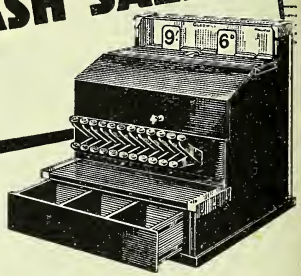

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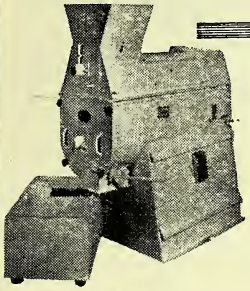

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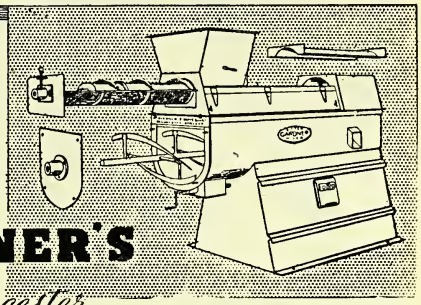

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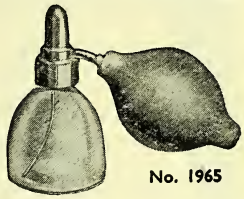

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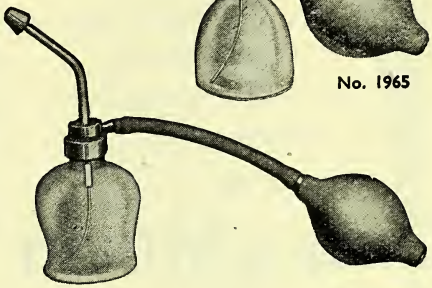

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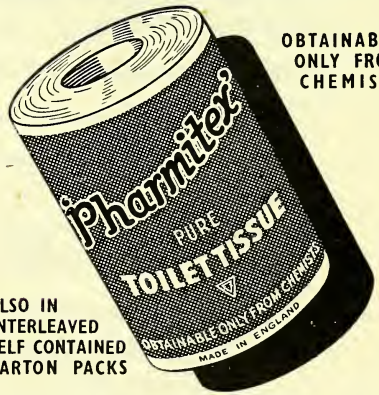

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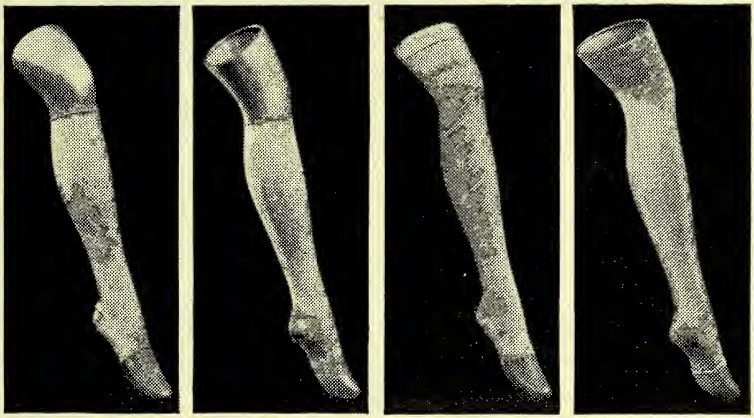

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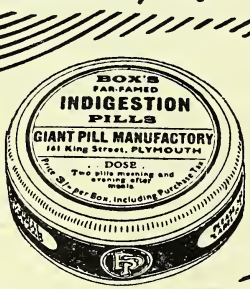

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Applications are invited for the appointment of pharmacist at Bury General Hospital, Bury, Lancs. This is a busy general hospital offering a variety of experience in the pharmaceutical department.

Salary £425 x £25—£525. An additional £25 will be paid to applicants possessing B.Pharm., Ph.C., etc. Applications, together with names of two referees, should be sent to the undersigned as soon as possible.

H. WILKINSON,
Secretary to the Committee.
C 8366

FULBOURN HOSPITAL, Nr. CAMBRIDGE

Applications are invited for the post of pharmacist or dispenser with Apothecaries' Hall Certificate.

Salary and conditions of service in accordance with the Pharmaceutical Whitley Council decisions. The post is subject to the National Health (Superannuation) Regulations.

Applications, stating age, experience, etc., with names of two referees, should be addressed to the Medical Superintendent. C 8385

ADMIRALTY: PHARMACISTS

Applications are invited from qualified pharmaceutical chemists, and chemists and druggists, for posts as pharmacist in R.N. Hospitals and Medical Depôts at home and abroad. Salary scale £425 x £25—£525. Starting pay according to previous professional experience, but candidates under 23 would enter at appropriate point below minimum quoted. Allowance of £25 a year payable in addition to holders of recognised qualification higher than normal M.P.S. Foreign Service Allowance payable overseas. Superannuation benefits under National Health Service (Superannuation) Regulations, 1950; deduction of 6 per cent. made from salary on that account. Prospects of promotion to higher ranks. Apply to Medical Director-General of the Navy, Admiralty, Queen Anne's Mansions, London, S.W.1. C 8370

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MID-WORCESTERSHIRE HOSPITAL MANAGEMENT COMMITTEE, ALL SAINTS' HOSPITAL, BROMSGROVE

Assistant in dispensing required, preferably holding the Certificate of the Apothecaries Hall. Salary in accordance with Whitley Council Scale rising to £290 at age 22 and over, rising by £10 per annum to £370, plus an allowance of £15 per annum for possessing above Certificate. Applications, giving full particulars and enclosing two recent testimonials, to be sent to the Secretary, Mid-Worcestershire Hospital Management Committee, Birmingham Rd., Bromsgrove. C 8374

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Applications, giving full details, should be made to the Secretary, G. & D./H.M.C., at the latter hospital, as soon as possible.

Persons who desire to inspect the departments before applying may do so by arrangement with the Chief Pharmacists. C 8383

VICTORIA HOSPITAL FOR CHILDREN, TITE STREET, CHELSEA, S.W.3

Applications are invited for the post of pharmacist. Salary in accordance with the Pharmaceutical Whitley Council scale. Apply: Chief Pharmacist, stating age and qualifications, and giving two names for reference. C 8387

WINCHESTER GROUP HOSPITAL MANAGEMENT COMMITTEE, ROYAL HAMPSHIRE COUNTY HOSPITAL, WINCHESTER

Applications are invited for the post of Senior Assistant Pharmacist in Category 4 hospital. Salary according to J.N.C. Scale. Applications, giving details of qualifications, age and experience, together with copies of two recent testimonials, to be sent to the Secretary as soon as possible. C 8377

WHITTINGTON HOSPITAL, HIGHGATE HILL, N.19

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WHOLESALE

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PARKE DAVIS & CO., LTD., require an assistant with pharmaceutical qualifications in their medical service dept. The position is progressive and pensionable and offers exceptional opportunities to a young man with literary inclination. Please write in the first instance for an application form to the Manager, Medical Service Dept., Parke Davis & Co., Ltd., Staines Rd., Hounslow, Middlesex. C 8346

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WHOLESALE (OVERSEAS)

PARKE DAVIS & CO., LTD., have a vacancy for a young single pharmacist as representative based on Nairobi to call upon doctors, hospitals and chemists in British East Africa. The appointment is pensionable, offers substantial scope, and will be remunerated by salary and expenses. Comprehensive training will be given in this country and those interested should write for an application form to the Foreign Sales Manager, Parke Davis & Co., Ltd., Staines Rd., Hounslow, Middlesex. C 8347

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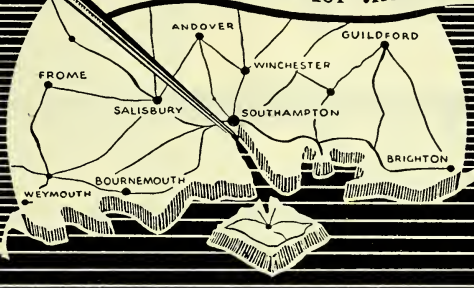

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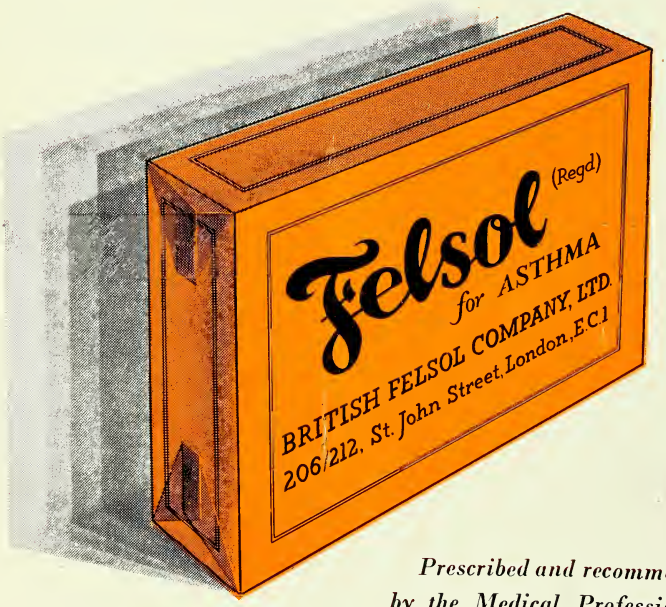

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